



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

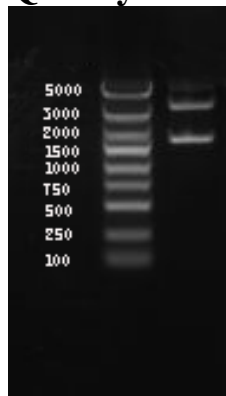
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## pBMH-H3 (A/Perth/16/2009)(H3N2)

Cat# HA-P342

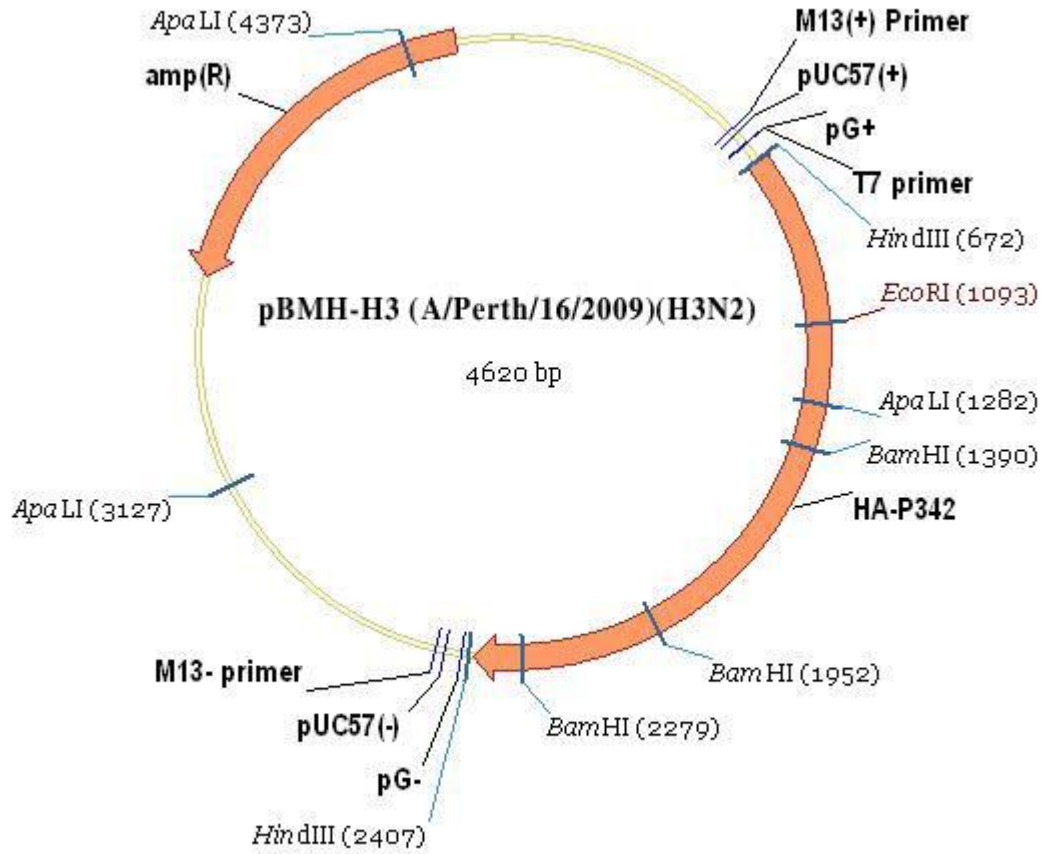
<b>Gene Name</b>	pBMH-H3 (A/Perth/16/2009)(H3N2).
<b>Gene description:</b>	Codon optimized cDNA clone of H3N2 hemagglutinin (aa 1-566) (A/Perth/16/2009).
<b>cDNA Insert Size</b>	1704 bp codon optimized H3N2 hemagglutinin (A/Perth/16/2009) cDNA with a Kozak consensus sequence(ACCATGA), corresponding to amino acid 1-566 (Gene accession# ACS71642).
<b>Vector</b>	pBMH.
<b>Cloning Site</b>	SmaI.
<b>Concentration</b>	10 µg (0.2 µg/µl), dissolved in 10 mM Tris/HCl (pH 8.5).
<b>Storage</b>	4 °C.

### Quality control:



RES:HindIII

Construct map:



**Detailed sequence of the whole construct (pBMH-H3 (A/Perth/16/2009)(H3N2)):**

1	CTAAATTGTA	AGCGTTAATA	TTTTGTAAA	ATTCGCGTTA	AATTTTTGTT	AAATCAGCTC
61	ATTTTTTAAC	CAATAGGCCG	AAATCGGCAA	AATCCCTTAT	AAATCAAAAG	AATAGACCGA
121	GATAGGGTTG	AGTGTGTTC	CAGTTTGAA	CAAGAGTCCA	CTATTAAAGA	ACGTGGACTC
181	CAACGTCAA	GGGCGAAAA	CCGTCTATCA	GGGCGATGGC	CCACTACGTG	AACCATCACC
241	CTAATCAAGT	TTTTTGGGGT	CGAGGTGCCG	TAAAGCACTA	AATCGGAACC	CTAAAGGGAG
301	CCCCGATTT	AGAGCTTGAC	GGGAAAAGCC	GGCGAACGTG	GCGAGAAAGG	AAGGGAAGAA
361	AGCGAAAGGA	GCGGGCGCTA	GGGCGCTGGC	AAGTGTAGCG	GTCACGCTGC	GCGTAACCAC
421	CACACCCGCC	GCGCTTAATG	CGCCGCTACA	GGGCGCGTCC	CATTCGCCAT	TCAGGCTGCG
481	CAACTGTTGG	GAAGGGCGAT	CGGTGCGGGC	CTCTTCGCTA	TTACGCCAGC	TGGCGAAAGG
541	GGGATGTGCT	GCAAGGCGAT	TAAGTTGGGT	AACGCCAGGG	TTTTCCAGT	CACGACGTTG
601	TAAACGACG	GCCAGTGAGC	GCGCGTAATA	CGACTCACTA	TAGGGCGAAT	TGGGTACGGC
661	CGTCAAGGCC	AAGCTTCCC	AATGCCACCA	TGAAAACCAT	CATCGCTCTG	AGCTATATTC
721	TGTGTCTGGT	GTTCGCTCAA	AAACTGCCCG	GCAATGACAA	CAGCACTGCC	ACCCTGTGCC
781	TGGGCCATCA	CGCCGTCCCA	AATGGCACAA	TCGTCAAAAC	CATCACCAAC	GACCAGATCG
841	AGGTGACAAA	CGCCACCGAG	CTGGTGCAGT	CCTCCAGCAC	CGGGGAGATT	TGCGACAGCC
901	CCCACCAAA	CCTGGACGGC	AAGAAATTGTA	CCCTGATCGA	CGCCCTGCTG	GGCGATCCCC
961	AGTGCGATGG	CTTCCAGAAC	AAAAAGTGGG	ACCTGTTCTG	GGAGAGGTCC	AAGGCCTACA
1021	GCAACTGCTA	CCCTTACGAC	GTGCCTGACT	ACGCCAGCCT	GAGGAGCCTG	GTGGCATCCA
1081	GCGGCACCCT	GGAATTCAAC	AACGAGAGCT	TCAACTGGAC	AGGGGTCACC	CAGAACGGCA
1141	CTTCCAGCGC	CTGCATCAGA	AGAAGCAAAA	ATAGCTTCTT	TAGCAGGCTG	AATTGGCTGA
1201	CCCACCTGAA	CTTCAAGTAC	CCCGCCCTGA	ACGTCACCAT	GCCCAATAAC	GAGCAGTTCG
1261	ACAAGCTGTA	CATCTGGGGC	GTGCACCACC	CCGGCACCGA	TAAAGATCAA	ATCTTCCTGT
1321	ACGCCAAGC	TAGCGGCAGG	ATCACCGTGT	CCACCAAAAG	ATCCCAACAA	ACCGTCTCCC
1381	CAAATATCGG	ATCCAGACCC	AGAGTCAGAA	ATATTCCAAG	CAGAATCTCC	ATCTACTGGA
1441	CTATCGTGAA	GCCTGGCGAT	ATCCTGCTGA	TTAACTCCAC	CGGGAACCTG	ATCGCCCCAA
1501	GAGGCTATTT	CAAAATCAGG	TCCGGCAAAA	GCTCCATCAT	GAGGTCCGAC	GCACCCATCG
1561	GCAAGTGCAA	CTCCGAGTGC	ATCACCCCA	ACGGGAGCAT	CCCCAATGAT	AAGCCATTTC
1621	AGAACGTGAA	TAGGATCACA	TACGGCGCCT	GCCCAAGATA	CGTCAAACAG	AACACCCTGA
1681	AGCTGGCCAC	CGGCATGAGG	AATGTCCCCG	AAAAACAGAC	CAGGGGCATC	TTCGGCGCCA
1741	TTGCCGATT	CATCGAGAAC	GGCTGGGAGG	GGATGGTGGA	CGGCTGGTAC	GGCTTTAGGC
1801	ACCAAAACAG	CGAAGGCAGG	GGCCAAGCCG	CCGATCTGAA	AAGCACCCAG	GCTGCCATCG
1861	ACCAAATTAA	CGGCAAGCTG	AATAGACTGA	TCGGCAAGAC	CAATGAGAAG	TTTCACCAGA
1921	TTGAGAAAAGA	GTTTTCCGAA	GTCGAGGGCA	GGATCCAGGA	CCTGGAAAAG	TATGTCAAG
1981	ACACTAAGAT	TGATCTGTGG	AGCTACAATG	CCGAGCTGCT	GGTCGCCCTG	GAGAACCAGC
2041	ACACCATCGA	CCTGACCGAT	AGCGAGATGA	ATAAGCTGTT	CGAGAAAACA	AAGAAACAGC
2101	TGAGGGAAAA	CGCCGAGGAC	ATGGGGAACG	GGTGTTCATA	GATCTACCAC	AAGTGCAGCA
2161	ACGCATGCAT	CGGCAGCATT	AGGAACGGCA	CTTATGACCA	CGACGTCTAC	AGAGACGAGG
2221	CCCTGAACAA	CAGATTCCAA	ATCAAAGGCG	TCGAGCTGAA	GTCCGGCTAC	AAGGATTGGA
2281	TCCTGTGGAT	CAGCTTCGCC	ATCAGCTGCT	TTCTGCTGTG	CGTGGCCCTG	CTGGGCTTTA
2341	TCATGTGGGC	TTGCCAGAAG	GGCAACATTA	GGTGAATAT	CTGCATCCCA	ATGGGATATC
2401	ACGTGAAGCT	TGCAAGCTCC	AGCTTTTGT	CCCTTTAGTG	AGGGTTAATT	GCGCGCTTGG
2461	CGTAATCATG	GTCATAGCTG	TTTCTGTGT	GAAATTGTTA	TCCGCTCACA	ATTCCACACA
2521	ACATACGAGC	CGGAAGCATA	AAGTGTAAG	CCTGGGGTGC	CTAATGAGTG	AGCTAACTCA
2581	CATTAATTGC	GTTGCGCTCA	CTGCCCGCTT	TCCAGTCGGG	AAACCTGTCTG	TGCCAGCTGC
2641	ATTAATGAAT	CGGCCAACGC	GCGGGGAGAG	GCGGTTTGCG	TATTGGGCGC	TCTTCCGCTT
2701	CCTCGCTCAC	TGACTCGCTG	CGCTCGGTCG	TTCCGGCTGCG	GCGAGCGGTA	TCAGCTCACT
2761	CAAAGGCGGT	AATACGGTTA	TCCACAGAAT	CAGGGGATAA	CGCAGGAAAG	AACATGTGAG
2821	CAAAAGGCCA	GCAAAAGGCC	AGGAACCGTA	AAAAGGCCGC	GTTGCTGGCG	TTTTTCCATA
2881	GGCTCCGCC	CCCTGACGAG	CATCACAAA	ATCGACGCTC	AAGTCAGAGG	TGGCGAAACC
2941	CGACAGGACT	ATAAAGATAC	CAGGCGTTTC	CCCCTGGAAG	CTCCCTCGTG	CGCTCTCCTG

```

3001 TTCCGACCCT GCCGCTTACC GGATACCTGT CCGCCTTTCT CCCTTCGGGA AGCGTGGCGC
3061 TTTCTCATAG CTCACGCTGT AGGTATCTCA GTTCGGTGTA GGTCGTTCGC TCCAAGCTGG
3121 GCTGTGTGCA CGAACCCCCC GTTCAGCCCG ACCGCTGCGC CTTATCCGGT AACTATCGTC
3181 TTGAGTCCAA CCCGGTAAGA CACGACTTAT CGCCACTGGC AGCAGCCACT GGTAACAGGA
3241 TTAGCAGAGC GAGGTATGTA GGCGGTGCTA CAGAGTTCTT GAAGTGGTGG CCTAACTACG
3301 GCTACACTAG AAGGACAGTA TTTGGTATCT GCGCTCTGCT GAAGCCAGTT ACCTTCGGAA
3361 AAAGAGTTGG TAGCTCTTGA TCCGGCAAAC AAACCACCGC TGGTAGCGGT GGTTTTTTTTG
3421 TTTGCAAGCA GCAGATTACG CGCAGAAAAA AAGGATCTCA AGAAGATCCT TTGATCTTTT
3481 CTACGGGGTC TGACGCTCAG TGGAACGAAA ACTCACGTTA AGGGATTTTG GTCATGAGAT
3541 TATCAAAAAG GATCTTCACC TAGATCCTTT TAAATTAATA ATGAAGTTT AAATCAATCT
3601 AAAGTATATA TGAGTAAACT TGGTCTGACA GTTACCAATG CTTAATCAGT GAGGCACCTA
3661 TCTCAGCGAT CTGTCTATTT CGTTCATCCA TAGTTGCCTG ACTCCCCGTC GTGTAGATAA
3721 CTACGATACG GGAGGGCTTA CCATCTGGCC CCAGTGCTGC AATGATACCG CGAGATCCAC
3781 GCTCACCGGC TCCAGATTTA TCAGCAATAA ACCAGCCAGC CGGAAGGGCC GAGCGCAGAA
3841 GTGGTCCCTGC AACTTTATCC GCCTCCATCC AGTCTATTAA TTGTTGCCGG GAAGCTAGAG
3901 TAAGTAGTTC GCCAGTTAAT AGTTTGCGCA ACGTTGTTGC CATTGCTACA GGCATCGTGG
3961 TGTCACGCTC GTCGTTTGGT ATGGCTTCAT TCAGCTCCGG TTCCAACGA TCAAGGCGAG
4021 TTACATGATC CCCCATGTTG TGCAAAAAG CGGTTAGCTC CTTCCGGTCT CCGATCGTTG
4081 TCAGAAGTAA GTTGGCCGCA GTGTTATCAC TCATGGTTAT GGCAGCACTG CATAATTCTC
4141 TTACTIONCAT GCCATCCGTA AGATGCTTTT CTGTGACTGG TGAGTACTCA ACCAAGTCAT
4201 TCTGAGAATA GTGTATGCGG CGACCGAGTT GCTCTTGCCC GCGTCAATA CGGGATAATA
4261 CCGCGCCACA TAGCAGAACT TAAAAGTGC TCATCATTGG AAAACGTTCT TCGGGGCGAA
4321 AACTCTCAAG GATCTTACCG CTGTTGAGAT CCAGTTCGAT GTAACCCACT CGTGCACCCA
4381 ACTGATCTTC AGCATCTTTT ACTTTCACCA GCGTTTCTGG GTGAGCAAAA ACAGGAAGGC
4441 AAAATGCCGC AAAAAAGGGA ATAAGGGCGA CACGGAAATG TTGAATACTC ATACTCTTCC
4501 TTTTTCAATA TTATTGAAGC ATTTATCAGG GTTATTGTCT CATGAGCGGA TACATATTTG
4561 AATGTATTTA GAAAAATAAA CAAATAGGGG TTCCGCGCAC ATTTCCCCGA AAAGTGCCAC
4621

```

**Detailed amino acid sequence of the codon optimized cDNA clone:**

```

1   MKTIIALSYI LCLVFAQKLP GNDNSTATLC LGHHAVPNGT IVKTITNDQI EVTNATELVQ
61  SSSTGEICDS PHQILDGKNC TLIDALLGDP QCDGFQNKKW DLFVERSKAY SNCYPYDVPD
121 YASLRSLVAS SGTLEFNES FNWTGVTQNG TSSACIRRSK NSFFSRLNWL THLNFKYPAL
181 NVTMPNNEQF DKLYIWGVHH PGTDKDQIFL YAQASGRITV STKRSQQTVS PNIGSRPRVR
241 NIPSRISIWY TIVKPGDILL INSTGNLIAP RGYFKIRSGK SSIMRSDAPI GKNSECITP
301 NGSIPNDKPF QNVNRITYGA CPRYVKQNTL KLATGMRNVP EKQTRGIFGA IAGFIENGWE
361 GMVDGWYGFR HQNSEGRGQA ADLKSTQAAI DQINGKLNRL IGKTNEKFHQ IEKEFSEVEG
421 RIQDLEKYVE DTKIDLWSYN AELLVALENQ HTIDLTDSEM NKLFKTKKQ LRENAEDMGN
481 GCFKIYHKCD NACIGSIRNG TYDHDVYRDE ALNNRFQIKG VELKSGYKDW ILWISFAISC
541 FLLCVALLGF IMWACQKGN I RCNICI

```