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Zuschläge

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- Gefahrgutzuschlag
- Expressversand

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pBMH-H1 (A/California/07/2009)(H1N1)

Cat# HA-C359

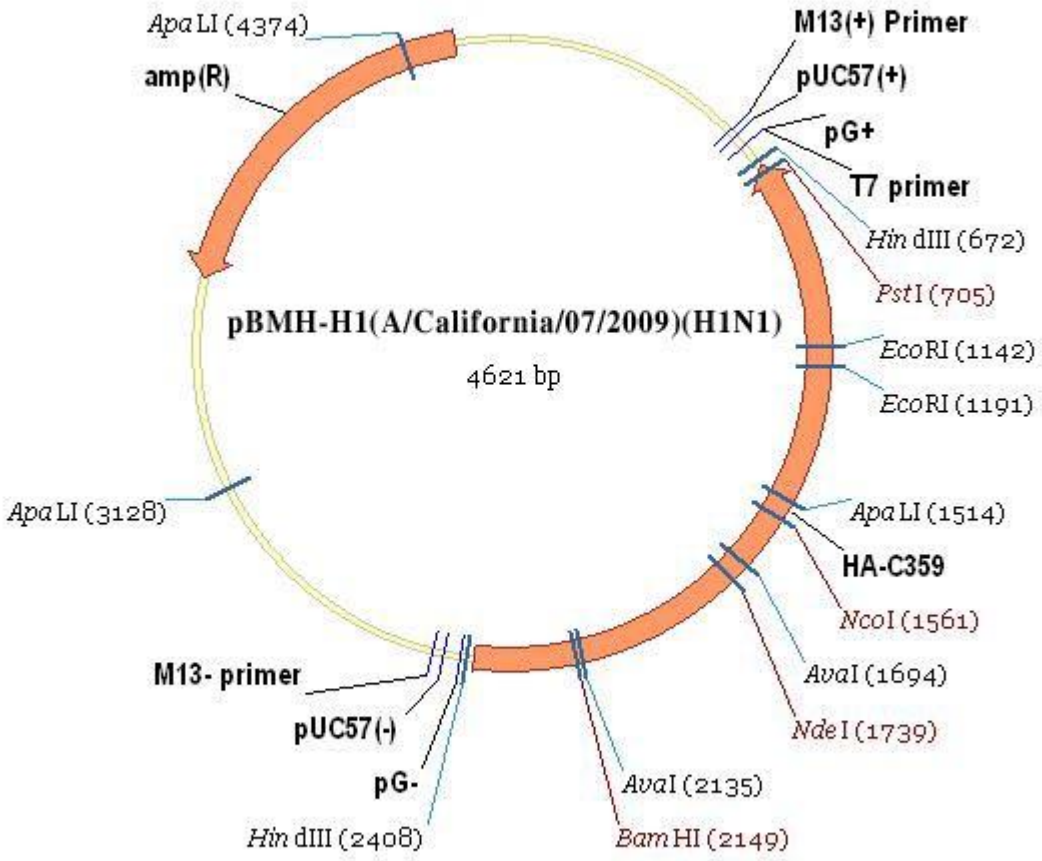
Gene Name	pBMH-H1 (A/California/07/2009)(H1N1)
Gene description:	Codon optimized cDNA clone of hemagglutinin (aa 1-566) (A/California/07/2009)
cDNA Insert Size	1704 bp codon optimized H1N1 hemagglutinin (A/California/07/2009) cDNA with a Kozak consensus sequence(ACCATGA), corresponding to amino acid 1-566 (Gene accession# ACQ55359).
Vector	pBMH
Cloning Site	SmaI
Concentration	10 µg (0.2 µg/µl), dissolved in 10 mM Tris/HCl (pH 8.5)
Storage	4 ^{o}C

Quality control:

RES:HindIII

Tel: 1-800-919-0755 • Fax: 1-240-683-5852 • info@eEnzyme.com • www.eEnzyme.com

Construct map (revser complementary):



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Detailed sequence of the whole construct (pBMH-H1 (A/California/07/2009)(H1N1):

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1     CTAAATTGTA AGCGTTAATA TTTTGTTAAA ATTCGCGTTA AATTTTTGTT AAATCAGCTC
61    ATTTTTTAAC CAATAGGCCG AAATCGGCAA AATCCCTTAT AAATCAAAAG AATAGACCGA
121   GATAGGGTTG AGTGTTGTTC CAGTTTGGAA CAAGAGTCCA CTATTAAAGA ACGTGGACTC
181   CAACGTCAAA GGGCGAAAAA CCGTCTATCA GGGCGATGGC CCACTACGTG AACCATCACC
241   CTAATCAAGT TTTTTGGGGT CGAGGTGCCG TAAAGCACTA AATCGGAACC CTAAAGGGAG
301   CCCCCGATTT AGAGCTTGAC GGGGAAAGCC 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 TTTTCCCAGT CACGACGTTG
601   TAAAACGACG GCCAGTGAGC GCGCGTAATA CGACTCACTA TAGGGCGAAT TGGGTACGGC
661   CGTCAAGGCC AAGCTTCCCA TTGGGATGCA GATCCTACAC TGCAGGCTTC CGTTGGAGCA
721   CATCCAAAAG GAAATTGCCC CCAGGCTCAC GACCAGGACC AGGGAGGATG CGACGGTGCT
781   GTAGATGGCC AGAATCTGGT AGATTCTTGT GCTTTCCAGT TTGACGCCGT CGATTTCCTC
841   TCTGTTCAGT TTGGCCTCTT CGGAATACTT TGGGTAATCG TATGTTCCGT TCTTCACGGA
901   CTCCATACAT GTGTTGTCGC ACTTATGGTA GAACTCGAAA CAGCCGTTTC CAATCTCTTT
961   GGCGTTATTC TTCAGTTGGG ATCTCACCTT TTCGTACAGG TTTTTCACAT TGGAGTCATG
1021  ATAATCCAGG GTTCTCTCGT TTTCCAGCAG CACCAGCAGT TCGGCGTTGT ATGTCCAGAT
1081  ATCCAGAAAG CCATCGTCCA CTTTCTTGTT CAGATTCTCA ATTCTCTTTT CCAGATGGTT
1141  GAATTCTTTC CCCACGGCTG TGAACTGAGT ATTCATCTTT TCGATGACGG AATTCACCTT
1201  ATTAGTGATC TCGTCGATAG CATTCTGAGT GCTCTTCAGG TCTGCGGCGT ATCCGCTGCC
1261  TTGTTCGTTC TGATGGTGGT AGCCATACCA TCCGTCCACC ATGCCAGTCC ACCCGCCCTC
1321  GATAAATCCG GCAATGGCGC CGAACAGGCC CCTGCTCTGG ATGGAGGGGA TATTCCTCAG
1381  CCCGGTAGCC AGTCTCAGCT TAGTGGACTT GACATACTTA GGACATTTGC CGATGGTAAT
1441  AGGGTGGATG TTCTGGAATG GCAGGGAAGT ATTGATTGCG CCCTTTGGGG TCTGGCAGGT
1501  GGTGTTGCAA TCGTGCACTG GAGTGTCGCT GATGATGATG CCGCTGCCGG CATTCCTTTC
1561  CATGGCAAAG GCGTACCTTG GCACCACCAG GTTGCCGGTG GCCTCGAATG TGATCTTGTC
1621  GCCTGGCTCC ACCAGTGTCC AATAGTAATT CATCCTGCCC TCTTGGTCCC TCACTTTAGG
1681  CCTGATAGCA ATCTCGGGCT TGAATTTCTT GGAGTATCTG GAGGACCCCA CGAAGACATA
1741  TGCGTCAGCG TTCTGGTACA GGCTTTGTTG GTCGGCGCTT GTGGAAGGGT GGTGGATGCC
1801  CCACAGCACC AGCACCTCTT TGCCTTTGTC ATTGATGTAG CTCTTGGACA GCTTGGGGTA
1861  GCTGTTGCCC TTTTTGACCA GCCAGATCAG GTTCTTGTAG AAGGACTTGG CGCCTGCATG
1921  TGGGCAGGCG GCGGTCACGC CCTTATTGCT GTCGTGGTTG GGCCAGGAGC TTGTCTTTGG
1981  GAAGATCTCA AATCTTTCAA AGCTGGACAC GGAGCTCAGT TGTTCCCTCA GCTCCTCGTA
2041  GTCGATGAAG TCGCCGGGAT AGCAGGTGCC GTTGTCGGAG CTGGGGGTCT CCACGATATA
2101  GCTCCAGCTG CTGGCGGTGC TCAGGCTCTC GCACTCGGGG TTGCCCAGGA TCCAGCCGGC
2161  GATGTTGCAC TTGCCCAGGT GCAGGGGAGC CACGCCCCTC AGTTTACACA GTTTGCCGTT
2221  ATGCTTATCT TCCAGCAGGT TCACGCTGTG GGTGACGGTC ACATTTTTCT CCAGGACGGT
2281  ATCCACGGTG TCGGTGGAAT TGTTGGCGTG GTAGCCGATG CACAGTGTGT CTGCGTTGGC
2341  AGTAGCAAAT GTGTACAGCA GGACCACCAG AATAGCTTTC ATGGTGGCAT TGGGGGATAT
2401  CACGTGAAGC TTGCAAGCTC CAGCTTTTGT TCCCTTTAGT GAGGGTTAAT TGCGCGCTTG
2461  GCGTAATCAT GGTCATAGCT GTTTCCTGTG TGAAATTGTT ATCCGCTCAC AATTCCACAC
2521  AACATACGAG CCGGAAGCAT AAAGTGTAAA GCCTGGGGTG CCTAATGAGT GAGCTAACTC
2581  ACATTAATTG CGTTGCGCTC ACTGCCCGCT TTCCAGTCGG GAAACCTGTC GTGCCAGCTG
2641  CATTAATGAA TCGGCCAACG CGCGGGGAGA GGCGGTTTGC GTATTGGGCG CTCTTCCGCT
2701  TCCTCGCTCA CTGACTCGCT GCGCTCGGTC GTTCGGCTGC GGCGAGCGGT ATCAGCTCAC
2761  TCAAAGGCGG TAATACGGTT ATCCACAGAA TCAGGGGATA ACGCAGGAAA GAACATGTGA
2821  GCAAAAGGCC AGCAAAAGGC CAGGAACCGT AAAAAGGCCG CGTTGCTGGC GTTTTTCCAT
2881  AGGCTCCGCC CCCCTGACGA GCATCACAAA AATCGACGCT CAAGTCAGAG GTGGCGAAAC
2941  CCGACAGGAC TATAAAGATA CCAGGCGTTT CCCCCTGGAA GCTCCCTCGT GCGCTCTCCT
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3001  GTTCCGACCC TGCCGCTTAC CGGATACCTG TCCGCCTTTC TCCCTTCGGG AAGCGTGGCG
3061  CTTTCTCATA GCTCACGCTG TAGGTATCTC AGTTCGGTGT AGGTCGTTCG CTCCAAGCTG
3121  GGCTGTGTGC ACGAACCCCC CGTTCAGCCC GACCGCTGCG CCTTATCCGG TAACTATCGT
3181  CTTGAGTCCA ACCCGGTAAG ACACGACTTA TCGCCACTGG CAGCAGCCAC TGGTAACAGG
3241  ATTAGCAGAG CGAGGTATGT AGGCGGTGCT ACAGAGTTCT TGAAGTGGTG GCCTAACTAC
3301  GGCTACACTA GAAGGACAGT ATTTGGTATC TGCGCTCTGC TGAAGCCAGT TACCTTCGGA
3361  AAAAGAGTTG GTAGCTCTTG ATCCGGCAAA CAAACCACCG CTGGTAGCGG TGGTTTTTTT
3421  GTTTGCAAGC AGCAGATTAC GCGCAGAAAA AAAGGATCTC AAGAAGATCC TTTGATCTTT
3481  TCTACGGGGT CTGACGCTCA GTGGAACGAA AACTCACGTT AAGGGATTTT GGTCATGAGA
3541  TTATCAAAAA GGATCTTCAC CTAGATCCTT TTAAATTAAA AATGAAGTTT TAAATCAATC
3601  TAAAGTATAT ATGAGTAAAC TTGGTCTGAC AGTTACCAAT GCTTAATCAG TGAGGCACCT
3661  ATCTCAGCGA TCTGTCTATT TCGTTCATCC ATAGTTGCCT GACTCCCCGT CGTGTAGATA
3721  ACTACGATAC GGGAGGGCTT ACCATCTGGC CCCAGTGCTG CAATGATACC GCGAGATCCA
3781  CGCTCACCGG CTCCAGATTT ATCAGCAATA AACCAGCCAG CCGGAAGGGC CGAGCGCAGA
3841  AGTGGTCCTG CAACTTTATC CGCCTCCATC CAGTCTATTA ATTGTTGCCG GGAAGCTAGA
3901  GTAAGTAGTT CGCCAGTTAA TAGTTTGCGC AACGTTGTTG CCATTGCTAC AGGCATCGTG
3961  GTGTCACGCT CGTCGTTTGG TATGGCTTCA TTCAGCTCCG GTTCCCAACG ATCAAGGCGA
4021  GTTACATGAT CCCCCATGTT GTGCAAAAAA GCGGTTAGCT CCTTCGGTCC TCCGATCGTT
4081  GTCAGAAGTA AGTTGGCCGC AGTGTTATCA CTCATGGTTA TGGCAGCACT GCATAATTCT
4141  CTTACTGTCA TGCCATCCGT AAGATGCTTT TCTGTGACTG GTGAGTACTC AACCAAGTCA
4201  TTCTGAGAAT AGTGTATGCG GCGACCGAGT TGCTCTTGCC CGGCGTCAAT ACGGGATAAT
4261  ACCGCGCCAC ATAGCAGAAC TTTAAAAGTG CTCATCATTG GAAAACGTTC TTCGGGGCGA
4321  AAACTCTCAA GGATCTTACC GCTGTTGAGA TCCAGTTCGA TGTAACCCAC TCGTGCACCC
4381  AACTGATCTT CAGCATCTTT TACTTTCACC AGCGTTTCTG GGTGAGCAAA AACAGGAAGG
4441  CAAAATGCCG CAAAAAAGGG AATAAGGGCG ACACGGAAAT GTTGAATACT CATACTCTTC
4501  CTTTTTCAAT ATTATTGAAG CATTTATCAG GGTTATTGTC TCATGAGCGG ATACATATTT
4561  GAATGTATTT AGAAAAATAA ACAAATAGGG GTTCCGCGCA CATTTCCCCG AAAAGTGCCA
4621  C
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Detailed amino acid sequence of the cDNA clone:

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1   MKAILVVLLY TFATANADTL CIGYHANNST DTVDTVLEKN VTVTHSVNLL EDKHNGKLCK
61  LRGVAPLHLG KCNIAGWILG NPECESLSTA SSWSYIVETP SSDNGTCYPG DFIDYEELRE
121 QLSSVSSFER FEIFPKTSSW PNHDSNKGVT AACPHAGAKS FYKNLIWLVK KGNSYPKLSK
181 SYINDKGKEV LVLWGIHHPS TSADQQSLYQ NADAYVFVGS SRYSKKFKPE IAIRPKVRDQ
241 EGRMNYYWTL VEPGDKITFE ATGNLVVPRY AFAMERNAGS GIIISDTPVH DCNTTCQTPK
301 GAINTSLPFQ NIHPITIGKC PKYVKSTKLR LATGLRNIPS IQSRGLFGAI AGFIEGGWTG
361 MVDGWYGYHH QNEQGSGYAA DLKSTQNAID EITNKVNSVI EKMNTQFTAV GKEFNHLEKR
421 IENLNKKVDD GFLDIWTYNA ELLVLLENER TLDYHDSNVK NLYEKVRSQL KNNAKEIGNG
481 CFEFYHKCDN TCMESVKNGT YDYPKYSEEA KLNREEIDGV KLESTRIYQI LAIYSTVASS
541 LVLVVSLGAI SFWMCSNGSL QCRICI
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