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- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## P2RX5 Validated Chimera RNAi

Catalog # : H00005026-R01V

規格 : [ 10 nmol ] [ 20 nmol ]

[List All](#)

### Specification

**Product Description:** Homo sapiens purinergic receptor P2X, ligand-gated ion channel, 5 (P2RX5), transcript variant 1, mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_002561

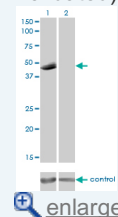
**Storage Instruction:** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

**Note:** Position of the Chimera RNAi.



### Application Image

RNAi Knockdown (Antibody validated)

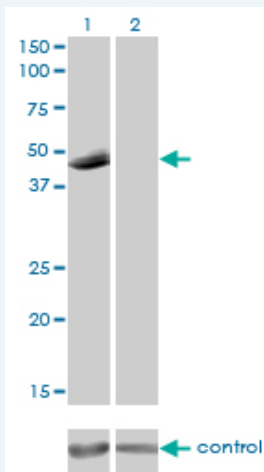


### Publication Reference

- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)  
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)  
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)  
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)  
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

### Applications

**RNAi Knockdown (Antibody validated)**



Western blot analysis of P2RX5 over-expressed 293 cell line, cotransfected with P2RX5 Validated Chimera RNAi ( Cat # H00005026-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with P2RX5 monoclonal antibody (M01), clone 1C5 (Cat # H00005026-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

 [Protocol Download](#)

## Gene Information

**Entrez GeneID:** [5026](#)

**Gene Name:** P2RX5

**Gene Alias:** MGC47755,P2X5,P2X5R

**Gene Description:** purinergic receptor P2X, ligand-gated ion channel, 5

**Omim ID:** [602836](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Several characteristic motifs of ATP-gated channels are present in its primary structure, but, unlike other members of the purinoceptors family, this receptor has only a single transmembrane domain. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations:** ATP receptor subunit,P2X purinoceptor 5,ionotropic ATP receptor P2X5,purinergic receptor P2X ligand gated ion channel 5,purinergic receptor P2X5

## Gene Pathway

[Calcium signaling pathway](#) [Neuroactive ligand-receptor interaction](#)

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