

Datasheet for ABIN7550270

P2RX1 Protein (AA 1-399) (His tag)



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Overview

Quantity:	1 mg
Target:	P2RX1
Protein Characteristics:	AA 1-399
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P2RX1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat P2RX1 Protein expressed in mammalian cells.
Sequence:	<p>MARRFQEELA AFLFEYDTPR MVLVRNKKVG VIFRLIQLVV LYYVIGWVFL YEKGQTSSG</p> <p>LISSVSVKLG GLAVTQLPGL GPQVWDVADY VFPAQGDNSF VMTNFIVTP KQTQGYCAEH</p> <p>PEGGICKEDS GCTPGKAKRK AQGIRTGKCV AFNDTVKTCE IFGWCPVEVD DDIPRPALLR</p> <p>EAENFTLFK NSISFPRFKV NRRNLVEEVN AAHMKTCLEH KTLHPLCPVF QLGYYVQESG</p> <p>QNFSTLAEKG GVVGITIDWH CDLDWHVRHC RPIYEFHGLY EEKNLSPGFN FRFARHFVEN</p> <p>GTNYRHLFKV FGIRFDILD GKAGKFDIP TMTTIGSGIG IFGVATVLC LLLHILPKR</p> <p>HYYKQKKFKY AEDMGPGAAE RDLAATSSTL GLQENMRTS Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	P2RX1
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Alternative Name:	P2RX1 (P2RX1 Products)
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Background:	P2X purinoceptor 1 (P2X1) (ATP receptor) (Purinergic receptor),FUNCTION: Ligand-gated ion channel with relatively high calcium permeability. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Seems to be linked to apoptosis, by increasing the intracellular concentration of calcium in the presence of ATP, leading to programmed cell death (By similarity). {ECO:0000250}.
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Molecular Weight:	45.0 kDa
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UniProt:	P51575
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Pathways:	Positive Regulation of Endopeptidase Activity
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months