

Datasheet for ABIN7554866
P2RX2 Protein (AA 1-471) (His tag)



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Overview

Quantity:	1 mg
Target:	P2RX2
Protein Characteristics:	AA 1-471
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P2RX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat P2RX2 Protein expressed in mammalian cells.
Sequence:	<p>MAAAQPKYPA GATARRLARG CWSALWDYET PKVIVVRNRR LGVLYRAVQL LILLYFVWYV FIVQKSYQES ETGPSSIIT KVKGITTEH KVDVVEEYVK PPEGGSVFSI ITRVEATHSQ TQGTCPESIR VHNATCLSDA DCVAGELDML GNGLRTGRCV PYYQGSPKTC EVFGWCPVED GASVSQFLGT MAPNFILIK NSIHYPKFHF SKGNIADRTD GYLKRCRFHE ASDLYCPIFK LGFIVEKAGE SFTELAHKGG VIGVIINWDC DLDLPASECN PKYSFRRLDP KHVPASSGYN FRFAKYKIN GTTTRTLIKA YGIRIDVIVH GQAGKFSLIP TIINLATALT SVGVGSFLCD WILLTFMNKN KVYSHKKFDK VCTPSHPSGS WPVTLARVLG QAPPEPGHRS EDQHSPSPSG QEQQGAECG PAFPPLRPCP ISAPSEQMVD TPASEPAQAS TPTDPKGLAQ L 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>

Product Details

Characteristics:

Key Benefits:

- 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

Grade:

custom-made

Target Details

Target:

P2RX2

Alternative Name:

P2RX2 ([P2RX2 Products](#))

Background:

P2X purinoceptor 2 (P2X2) (ATP receptor) (Purinergic receptor),FUNCTION: Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle. {ECO:0000269|PubMed:23345450}.

Molecular Weight:

51.8 kDa

UniProt:

[Q9UBL9](#)

Pathways:

[Skeletal Muscle Fiber Development](#), [Positive Regulation of Endopeptidase Activity](#)

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.

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
