

Datasheet for ABIN7564655
P2RX2 Protein (AA 1-485) (His tag)



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Overview

Quantity:	1 mg
Target:	P2RX2
Protein Characteristics:	AA 1-485
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MAAAQPRLPA GAAMVRRLLAR GCWSAFWDYE TPKVIVVRNR RLGFVHRMVQ LLILLYFVWY VFIVQKSYQD SETGPESSII TKVKGITMSE HKVWDVEEYV KPPEGGSVVS IITRIEVTPS QTLGTCPESM RVHSSTCHLD DDCVAGQLDM QGNGIRTGRC VPYYHGDSKT CEVSAWCPVE DGTSENHFLG KMAPNFTILI KNSIHYPKFK FSKGNIASQK SDYLBHCTFD QDSDPYCPIF RLGFIVEQAG ENFTELAHKG GVIGVIINWN CDLDLSESEC NPKYSFRRLD PKYDPASSGY NFRFAKYYKI NGTTTTRTL I KAYGIRIDVI VHQAQAGKFSL IPTIINLATA LTSIGVGSFL CDWILLTFMN KNKLYSHKKF DKVRTPRHPS SRWPVTALV LGQIPPPPSH YSQDQPPSLP SGEGPALGEG AELPLAVQPP RSCSSSALTE QVVDTLQHM GQRPPVPEPS QDSTSTDPK GLAQL 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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	P2RX2
Alternative Name:	P2rx2 (P2RX2 Products)
Background:	<p>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.</p> <p>{ECO:0000269 PubMed:12917379, ECO:0000269 PubMed:12937291, ECO:0000269 PubMed:15961431, ECO:0000269 PubMed:16322458, ECO:0000269 PubMed:17706883, ECO:0000269 PubMed:23345450}.</p>
Molecular Weight:	53.9 kDa
UniProt:	Q8K3P1
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.
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Restrictions:	For Research Use only
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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