

Product datasheet for TP316207

P2X2 (P2RX2) (NM_170682) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human purinergic receptor P2X, ligand-gated ion channel, 2 (P2RX2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216207 representing NM_170682 Red =Cloning site Green =Tags(s)

MAAAQPKYPAGATARRLARGCWSALWDYETPKVIVVRNRRLGVLYRAVQLLILLYFVWYFVIVQKSYQES
ETGPESIITKVKGITTESEHKVWDVEEYVKPPEGGSVFSIITRVEATHSQTQGTCPESIRVHNATCLSDA
DCVAGELDMLGNLRTGRCVPYYQGPKTCEVFGWCPVEDGASVSQFLGTMAPNFTILIKNSIHYPKFHF
SKGNIADRTDGYLKRCTFHEASDLYCPIFKLGFIVEKAGESFTELAHKGGVIGVIINWDCDLDPASECN
PKYSFRRLDPKHVPASSGYNFRFAKYKINGTTTTRTLIKAYGIRIDVIVHGQAGKFSLIPTIINLATALT
SVGVGSLCDWILLTFMNKNKVYSHKKFDKVCPTSPHSGSWPVTLARVLGQAPPEPGHRSEDQHPSPPS
G
QEQQQGAECGPAFPPLRPCISAPSEQMVDTPASEPAQASTPTDPKGLAQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

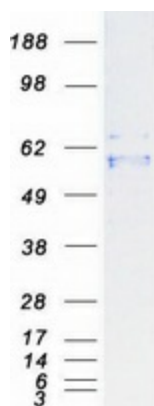
Tag:	C-Myc/DDK
Predicted MW:	51.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_733782
Locus ID:	22953
UniProt ID:	Q9UBL9
RefSeq Size:	1830
Cytogenetics:	12q24.33
RefSeq ORF:	1413
Synonyms:	DFNA41; P2X2
Summary:	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Aug 2013]
Protein Families:	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified P2RX2 protein (Cat# TP316207). The protein was produced from HEK293T cells transfected with P2RX2 cDNA clone (Cat# [RC216207]) using MegaTran 2.0 (Cat# [TT210002]).