

## Product datasheet for TP316207M

### 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, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216207 representing NM_170682 Red=Cloning site Green=Tags(s)

MAAAQPKYPAGATARRLARGCWSALWDYETPKVIVVRNRRLLGVLYRAVQLLILLYFVWYFVIVQKSYQES  
ETGPESSIITKVKGITTEHKVWDVEEYVKPPEGGSVFSIITRVEATHSQTQGTCPESIRVHNATCLSDA  
DCVAGELDMLGNLRTGRCVPYYQGPSKTCEVFGWCPVEDGASVSQFLGTMAPNFTILIKNSIHYPKFHF  
SKGNIADRTDGYLKRCTFHEASDLYCPIFKLGFIVEKAGESFTELAHKGGVIGVIINWDCDLDPASECN  
PKYSFRRLDPKHVPASSGYNFRFAKYYKINGTTTRTLIKAYGIRIDVIVHGQAGKFSLIPTIINLATALT  
SVGVSFLCDWILLTFMNKNKVYSHKKFDKVCPSHPSGSGWPVTLARVLGQAPPEPGHRSEDQHPSPPSG  
QEQQQGAECGPAFPPLRCPISAPSEQMVDTPASEPAQASTPTDPKGLAQL

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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_733782](#)

Locus ID: 22953

UniProt ID: [Q9UBL9](#), [Q32MC3](#)

RefSeq Size: 1830

Cytogenetics: 12q24.33

RefSeq ORF: 1413

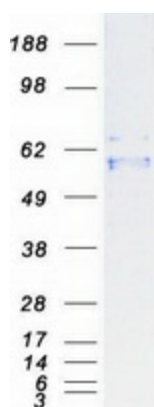
Synonyms: DFNA41; P2X2

**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]).