

Product datasheet for TP307613L

P2RX4 (NM_002560) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207613 protein sequence Red=Cloning site Green=Tags(s) |

MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRVQLLILAYVIGWVFWWEKGYQETDSVSSVTTKVKG
VAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQQTGLCPEIPDATTVCKSDASCTAGSAGTH
SNGVSTGRCVAFNGSVKTCEVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIYWPKFNFSKRNLPNIT
TTYLKSCIYDAKTDPCPIFRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLD
TRDVEHNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDIIPMINIGSGLALLGMAT
VLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 43.2 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. |
| RefSeq: | <u>NP_002551</u> |



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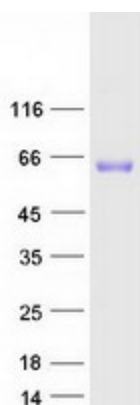
Locus ID: 5025
UniProt ID: [Q99571](#)
RefSeq Size: 2043
Cytogenetics: 12q24.31
RefSeq ORF: 1164
Synonyms: P2X4; P2X4R

Summary: The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene. [provided by RefSeq, Feb 2012]

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 P2RX4 protein (Cat# [TP307613]). The protein was produced from HEK293T cells transfected with P2RX4 cDNA clone (Cat# [RC207613]) using MegaTran 2.0 (Cat# [TT210002]).