

## Product datasheet for **TP307613**

### **P2RX4 (NM\_002560) Human Recombinant Protein**

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human purinergic receptor P2X, ligand-gated ion channel, 4 (P2RX4), 20 µg |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC207613 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =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><a href="#">NP_002551</a></u>   |



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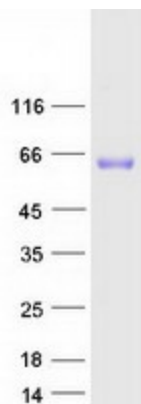
Locus ID: 5025  
UniProt ID: [Q99571](#)  
RefSeq Size: 2043  
Cytogenetics: 12q24.31  
RefSeq ORF: 1164  
Synonyms: P2X4; P2X4R

**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]).