

Product datasheet for PH307613

P2RX4 (NM_002560) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | P2RX4 MS Standard C13 and N15-labeled recombinant protein (NP_002551) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC207613 |
| Predicted MW: | 43.3 kDa |
| Protein Sequence: | >RC207613 protein sequence Red=Cloning site Green=Tags(s) |
| | MAGCCAALAAFLFEYDTPRIVLIRSrkVGLMNRVQLLILAYVIGWVFVWEKGYQETDSVSSVTTKVKG VAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMMQTQGLCPEIPDATTVCkSDASCTAGSAGTH SNGVSTGRcVAFNGSVKtCEVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYPKFNFSKRNI LPNIT TTYLKSCIYDAKTDPFCPIFRLGKIVENAGHGFDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLD TRDVEHNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDIIPtMINIGSGLALLGMAT VLCdIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ |
| | TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Labeling Method: | Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| Storage: | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| Stability: | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| RefSeq: | NP_002551 |
| RefSeq Size: | 2043 |
| RefSeq ORF: | 1164 |
| Synonyms: | P2X4; P2X4R |
| Locus ID: | 5025 |



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UniProt ID: [Q99571](#)

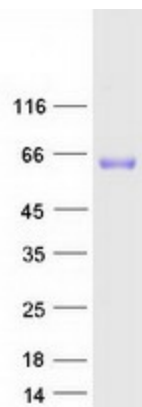
Cytogenetics: 12q24.31

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]).