

Recombinant Full Length Human P2RX4 Protein, C-Flag-tagged

Cat. No. P2RX4-1755HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human P2RX4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	43.2 kDa
AA Sequence	MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRVQLLILAYVIGWVFWWEKGYQET DSVVSSVTTKVKG VAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQQTQG LCPEIPDATTVCSDASCTAGSAGTH SNGVSTGRCVAFNGSVKTCEVAAWCPVED DTHVPQPAFLKAAENFTLLVKNNIWYPKFNFSCRNLPNIT TTYLKSCIYDAKTDPFCP IFRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLD TRDV

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	EHNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDIPTMINIGSGLA LLGMAT VLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQTRTRPLEQKLISEEDLAAND ILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Ion Channels: ATP Receptors, Transmembrane
Protein Pathways	Calcium signaling pathway, Neuroactive ligand-receptor interaction
Full Length	Full L.

GENE INFORMATION

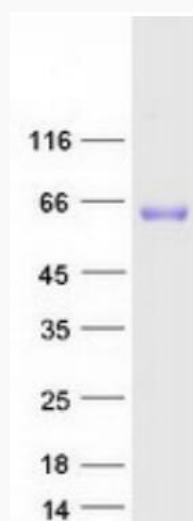
Gene Name	P2RX4 purinergic receptor P2X 4 [Homo sapiens (human)]
Official Symbol	P2RX4
Synonyms	P2X4; P2X4R

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Gene ID	5025
mRNA Refseq	NM_002560.3
Protein Refseq	NP_002551.2
MIM	600846
UniProt ID	Q99571



Coomassie blue staining of purified P2RX4 protein.