

Recombinant Human P2RX4 protein, GST-tagged

Cat. No. P2RX4-301584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human P2RX4 protein(57-341 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	57-341 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	TDSVVSSVTTKVKGVAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQTTQ GLCPEIPDATTVCCKSDASCTAGSAGTHSNGVSTGRCVAFNGSVKTCCEVAAWCPVE DDTHVPQPAFLKAAENFTLLVKNNIWYPKFNFSKRNLPNITTTYLKSCIYDAKTDPF PIFRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRRLDTRD VEHNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIIPMINIGS
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name P2RX4 purinergic receptor P2X, ligand-gated ion channel, 4 [Homo sapiens]

Official Symbol P2RX4

Synonyms

P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; P2X purinoceptor 4; P2X4; ATP receptor; purinoceptor P2X4; P2X receptor, subunit 4; purinergic receptor P2X4; ATP-gated cation channel protein; P2X4R;

Gene ID 5025

mRNA Refseq NM_001256796

Protein Refseq NP_001243725

MIM 600846

UniProt ID Q99571

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SDS-PAGE

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