Recombinant Human P2RX3, MYC/DDK-tagged

Cat. No. P2RX3-9164H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human P2RX3 protein, fused to MYC/DDK-tag at C-terminus, was expressed in E.coli. Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Species	Human
Source	HEK293
Description	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	44.1kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Storage	Store at -80C. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	P2RX3 purinergic receptor P2X, ligand-gated ion channel, 3 [Homo sapiens]
Official Symbol	P2RX3
Synonyms	P2RX3; purinergic receptor P2X, ligand-gated ion channel, 3; P2X purinoceptor 3; P2X3; ATP receptor; purinoceptor P2X3; P2X receptor, subunit 3; purinergic receptor P2X3; MGC129956;
Gene ID	5024
mRNA Refseq	NM_002559
Protein Refseq	NP_002550
MIM	600843
UniProt ID	P56373
Chromosome Location	11q12
Pathway	Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;
Function	ATP binding; extracellular ATP-gated cation channel activity; extracellular ATP-gated cation channel activity; ion channel activity; purinergic nucleotide receptor activity;

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