

Recombinant Human P2RX3

Cat. No. P2RX3-30538TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 45-154 of Human P2X3 with an N terminal proprietary tag; Predicted MWt 37.73 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
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.
Molecular Weight	37.730kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	HEKAYQVRDTAIESSVVTKVKGSGLYANRVMDVSDYVTPP QGTSVFVIITKMIVTEN QMQGFCPESEEKYRCVSDSQCGP ERLPGGGILTGRVCVNYSSVLRTCEIQGWCP
Sequence Similarities	Belongs to the P2X receptor family.
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;
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,

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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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