

Recombinant Human P2RX3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. P2RX3-1741H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	P2RX3 MS Standard C13 and N15-labeled recombinant protein (NP_002550) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the P2X purinergic receptor (purinoceptor) gene family which includes seven members (P2RX1 - P2RX7). P2X purinoceptors are a family of cation-permeable, ligand-gated ion channels that open in response to the binding of extracellular adenosine 5'-triphosphate (ATP). The encoded protein is a subunit of the trimeric P2X3 receptor ion channel which is expressed by sensory or autonomic neurons. A deficiency of the orthologous protein in mice is associated with reduced pain-related behavior and urinary bladder hyporeflexia.
Molecular Mass	44.1 kDa
AA Sequence	MNCISDFFTYETTKSVVVKSWTIGIINRVVQLLIISYFVGWVFLHEKAYQVRDTAIESS VVTKVKGSGLYANRVMDVSDYVTPPQGTSVFVIITKMIVTENQMQGFCPESEEKYR CVSDSQCGPERLPGGGILTGRCVNYSSVLRTCEIQGWCPTVETVETPIMMEAENF TIFIKNSIRFPLFNFEKGNLLPNLTARDMKTCRFHPDKDPFCPILRVGDVVKFAGQDF AKLARTGGVLGIKIGWVCDLDKAWDQCIPKYSFTRLDVSEKSSVSPGYNFRFAKYY KMENGSEYRTLLKAFGIRFDVLVYGNAGKFNIPTIISVAAFTSVGVGTVLCDIILLNFL

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KGADQYKAKKFEEVNETTLKIAALTNPVYPSDQTTVEKQSTDSGAFSIGHTRTRPLE
QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name P2RX3 purinergic receptor P2X 3 [Homo sapiens (human)]

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

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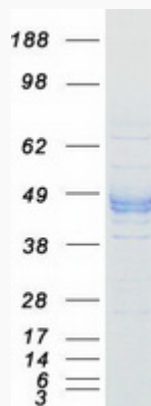
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UniProt ID

P56373

SDS-PAGE

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