

## Product datasheet for TP318626M

### P2X3 (P2RX3) (NM\_002559) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human purinergic receptor P2X, ligand-gated ion channel, 3 (P2RX3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC218626 representing NM_002559 Red=Cloning site Green=Tags(s)

MNCISDFFTYETTKSVVKSMTIGIINRVVQLLIISYFVGWVFLHEKAYQVRDTAIESSVTKVKGSGLY  
ANRVMVDVSDYVTPPQGTSVFVIITKMIVTENQMGGFCPESEEKYRCVSDSQGPERLPGGGILTGRCVNY  
SSVLRTEIQGWCPTEVDTVETPIMMEAENFTIFIKNSIRFPLNFNFKGNLLPNLTARDMKT CRFHPDKD  
PFCPILRVGDVVKFAGQDFAKLARTGGVLGIKIGWVCDLDAWDQCIPKYSFTRLDSVSEKSSVSPGYNF  
RFAKYYKMENGSEYRLLKAFGIRFDVLVYGNAGKFNIPTIISVAAFTSVGVGTVLCDIILLNFKGA  
DQYKAKKFEEVNETTLKIAALTNPVYPSDQTTVEKQSTDSGAFSIGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_002550</a></u>



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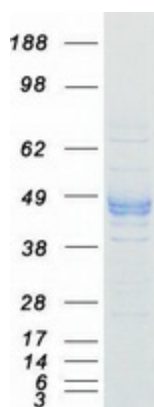
Locus ID: 5024  
UniProt ID: [P56373](#)  
RefSeq Size: 1349  
Cytogenetics: 11q12.1  
RefSeq ORF: 1191  
Synonyms: P2X3

**Summary:** 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. [provided by RefSeq, Aug 2017]

**Protein Families:** Druggable Genome, Ion Channels: ATP Receptors, Transmembrane

**Protein Pathways:** Calcium signaling pathway, Neuroactive ligand-receptor interaction

### Product images:



Coomassie blue staining of purified P2RX3 protein (Cat# [TP318626]). The protein was produced from HEK293T cells transfected with P2RX3 cDNA clone (Cat# [RC218626]) using MegaTran 2.0 (Cat# [TT210002]).