

## Product datasheet for TP524157

### P2rx2 (NM\_153400) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse purinergic receptor P2X, ligand-gated ion channel, 2 (P2rx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224157 representing NM_153400 Red=Cloning site Green=Tags(s)

MAAAQPRLPAGAAMVRRRLARGCWSAFWDYETPKVIVVRNRRLLGFVHRMVQLLILLYFWVYFIVQKSYQD  
SETXXPESSIITKVKGITMSEHKVWDVEEYVKPPEGGSVSIITRIEVTSPQTLGTCPESMRVHSSTCHL  
DDDCVAGQLDMQGNIGRTGRCVPYYHGDSKTCEVSAWCPVEDGTSENHFLGKMAPNFTILIKNSIHYPKF  
KFSKGNIASQKSDYLNKCTFDQSDPYCPIFRLGFIVEQAGENFTELAHKGGVIGVIINWNCDDLSESE  
CNPKYSFRRLDPKYDPASSGYNFRFAKYKINGTTTTTRTLIKAYGIRIDVIVHGQAGKFLIPTIINLAT  
ALTSIGVGSFLCDWILLTFMKNKLYSHKKFDKVRTPRHPSSRWPVTLALVLGQIPPPSHYSQDQPPSL  
PSGEGPALGEGAELPLAVQPPRSCSSSALTEQVVDTLQHMGRPPVPEPSQQDSTSTDPKGLAQL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	54.4 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
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 after receiving vials.
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:	<a href="#">NP_700449</a>
Locus ID:	231602



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UniProt ID: [Q8K3P1](#), [Q812E7](#)

RefSeq Size: 1919

Cytogenetics: 5 F

RefSeq ORF: 1458

Synonyms: P2x2; P2X2a

**Summary:** Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle.[UniProtKB/Swiss-Prot Function]