Recombinant Mouse P2rx2 Protein, Myc/DDK-tagged

Cat. No. P2rx2-4635M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length purinergic receptor P2X, ligand-gated ion channel, 2 (P2rx2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	54.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	P2rx2 purinergic receptor P2X, ligand-gated ion channel, 2 [Mus musculus (house mouse)]
Official Symbol	P2rx2
Synonyms	P2RX2; purinergic receptor P2X, ligand-gated ion channel, 2; purinergic receptor P2X2; P2x2; P2X2a; MGC129148; MGC129149
Gene ID	231602
mRNA Refseq	NM_153400
Protein Refseq	NP_700449
UniProt ID	Q8K3P1

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