

## Recombinant Mouse P2rx2 Protein, Myc/DDK-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | 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.                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | 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 <sup>+</sup> recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle. |
| <b>Molecular Mass</b>   | 54.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>    | >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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