

Recombinant Mouse P2rx1 Protein, His-tagged

Cat. No. P2rx1-1888M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse P2rx1 Protein (Thr57-Gly338) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr57-Gly338
Description	Enables cation channel activity and purinergic nucleotide receptor activity. Acts upstream of or within several processes, including activation of cysteine-type endopeptidase activity involved in apoptotic process; regulation of ion transport; and serotonin secretion by platelet. Located in external side of plasma membrane and postsynaptic membrane. Is expressed in several structures, including bladder; foregut-midgut junction; heart; liver lobe; and midgut. Orthologous to human P2RX1 (purinergic receptor P2X 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 36 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	P2rx1 purinergic receptor P2X, ligand-gated ion channel, 1 [Mus musculus (house mouse)]
Official Symbol	P2rx1
Synonyms	P2RX1; purinergic receptor P2X, ligand-gated ion channel, 1; P2X purinoceptor 1; ATP receptor; P2X1 receptor; programmed cell death 3; P2x; RP-2; Pdcd3; AI323649; BB122383;
Gene ID	18436
mRNA Refseq	NM_008771
Protein Refseq	NP_032797
UniProt ID	P51576

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