

Recombinant Human P2RX7 Protein, His-tagged

Cat. No. P2RX7-391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human P2RX7(Ser47~Val334) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser47~Val334
Description	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel and is responsible for ATP-dependent lysis of macrophages through the formation of membrane pores permeable to large molecules. Activation of this nuclear receptor by ATP in the cytoplasm may be a mechanism by which cellular activity can be coupled to changes in gene expression. Multiple alternatively spliced variants have been identified, most of which fit nonsense-mediated decay (NMD) criteria.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	36.8kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein.
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.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	P2RX7 purinergic receptor P2X, ligand-gated ion channel, 7 [Homo sapiens]
Official Symbol	P2RX7
Synonyms	P2RX7; purinergic receptor P2X, ligand-gated ion channel, 7; P2X purinoceptor 7; MGC20089; P2X7; ATP receptor; P2Z receptor; P2X7 receptor; purinergic receptor P2X7 variant A;
Gene ID	5027
mRNA Refseq	NM_002562
Protein Refseq	NP_002553
MIM	602566

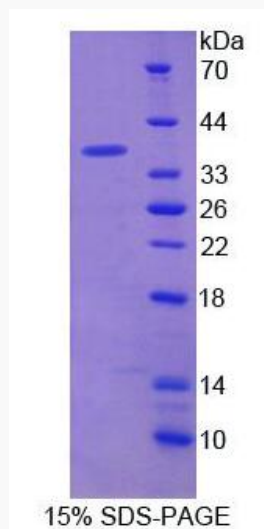
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UniProt ID

Q99572

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