

Recombinant Human P2RX4 Protein, His-tagged

Cat. No. P2RX4-2537H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human P2RX4 Protein (Asn75-Asn338) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn75-Asn338
Description	The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.2 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	P2RX4 purinergic receptor P2X, ligand-gated ion channel, 4 [Homo sapiens (human)]
Official Symbol	P2RX4
Synonyms	P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; P2X purinoceptor 4; P2X4; ATP receptor; purinoceptor P2X4; P2X receptor, subunit 4; purinergic receptor P2X4; ATP-gated cation channel protein; P2X4R;
Gene ID	5025
mRNA Refseq	NM_001256796

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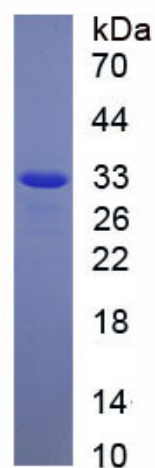
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Protein Refseq NP_001243725

MIM 600846

UniProt ID Q99571



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