

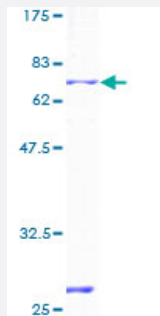
Full-Length

P2RX4 (Human) Recombinant Protein (P01)

Catalog # H00005025-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human P2RX4 full-length ORF (AAH33826, 1 a.a. - 388 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAGCCAALAAFLFEYDTPRVLIRSRKVGLMNRVQLLILAYVIGWVFVWEKGYQETDSVVSSVTT
KVKGVAATNTSKLGFRWDVADYVIPAQEENSLFVMTNVILTMNQTQGLCPEIPDATTVCCKSDASC
TAGSAGTHSNGVSTGRCVAFNGSVKTCEVAAWCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYP
KFNFSKRNLPNITTYLKSCYDAKTDPFCEIFRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLD
RAASLCLPRYSFRRLDTRDVEHNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDI
IPTMINIGSGLALLGMATVLCDIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.42

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — P2RX4

Entrez GeneID [5025](#)

GeneBank Accession# [BC033826](#)

Protein Accession# [AAH33826](#)

Gene Name P2RX4

Gene Alias P2X4, P2X4R

Gene Description purinergic receptor P2X, ligand-gated ion channel, 4

Omim ID [600846](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 have been identified for this gene although their full-length natures have not been determined. [provided by RefSeq]

Other Designations ATP receptor|ATP-gated cation channel protein|P2X purinoceptor 4|P2X receptor, subunit 4|purinergic receptor P2X4|purinoceptor P2X4

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Agoraphobia](#)
- [Anxiety Disorders](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)