

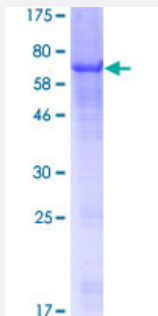
Full-Length

P2RX2 (Human) Recombinant Protein (P01)

Catalog # H00022953-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human P2RX2 full-length ORF (NP_777362.1, 1 a.a. - 404 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAAQPKYPAGATARRRLARGCWSALWDYETPKVIVVRNRRLGVL YRAVQLLILLYFVWYVFIVQKS
YQESETGPRESSITKVKGITTSEHKVWDVEEYVKPPEGGSVFSITRVEATHSQTQGTCPESIRVHN
ATCLSDADCVAGELDMLGNLRTGRCVPYYQGPKTCEVFGWCPVEDGASVSQFLGTMAPNF
TILIKNSIHYPKFHFHSGKNIADRTDGYLKRCTFHEASDLYCPIFKLGFVEKAGESFTELAHKGGVIGVII
NWDCDLDPASECNPKYSFRRLDPKHVPASSGYNFRFAKYKINGTTTRTLKAYGIRIDVIVHGQA
GKFSLIPTIINLATALTSVGVGSFLCDWILLTFMNKNKVYSHKKFDKMVDTPASEPAQASTPTDPKG
LAQL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.2

Interspecies Antigen Sequence

Mouse (84); Rat (85)

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 — P2RX2

Entrez GeneID	22953
GeneBank Accession#	NM_174873.1
Protein Accession#	NP_777362.1
Gene Name	P2RX2
Gene Alias	MGC129601, P2X2
Gene Description	purinergic receptor P2X, ligand-gated ion channel, 2
Omim ID	600844
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. Binding to ATP mediates synaptic transmission between neurons and from neurons to smooth muscle. Six transcript variants encoding six distinct isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	ATP receptor P2X Receptor, subunit 2 P2X purinoceptor 2 purinergic receptor P2X2

Pathway

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