

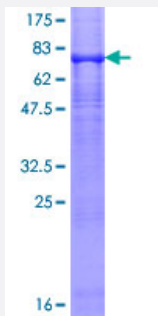
Full-Length

P2RX5 (Human) Recombinant Protein (P01)

Catalog # H00005026-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human P2RX5 full-length ORF (NP_002552.2, 1 a.a. - 422 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGQAGCKGLCLSLFDYKTEKYVIAKNKKVGLLYRLLQASILAYLVVWVFLIKKGYQDVTSLQSAVI
TKVKGVAFNTNTSDLGQRWDVADYVIPAQGENVFFVVTNLVTPNQRQNVCAENEGIPDGACSKD
SDCHAGEAVTAGNGVKTGRCLRRENLARGTCEIFAWCPLETSSRPEEPFLKEAEDFTIFIKNHIRF
PKFNFSKSNVMDVKDRSFLKSCHFGPKNHYCPIFRLGSVIRWAGSDFQDIALEGGVIGINIEWNCD
LDKAASECHPHYSFSRLDNKLSKSVSSGYNFRFARYYRDAAGVEFRTLKAYGIRFDVMVNGKG
AFFCDLVLMLIKKREFYRDKKYEEVRGLEDSSQEADEASGLGLSEQLTSGPGLLGMPQQELQ
EPPEAKRGSSSQKNGSVCPQLLEPHRST

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.6

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 — P2RX5

Entrez GeneID [5026](#)

GeneBank Accession# [NM_002561.2](#)

Protein Accession# [NP_002552.2](#)

Gene Name P2RX5

Gene Alias MGC47755, P2X5, P2X5R

Gene Description purinergic receptor P2X, ligand-gated ion channel, 5

Omim ID [602836](#)

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. Several characteristic motifs of ATP-gated channels are present in its primary structure, but, unlike other members of the purinoceptors family, this receptor has only a single transmembrane domain. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations ATP receptor subunit|P2X purinoceptor 5|ionotropic ATP receptor P2X5|purinergic receptor P2X ligand gated ion channel 5|purinergic receptor P2X5

Pathway

- [Calcium signaling pathway](#)

- [Neuroactive ligand-receptor interaction](#)