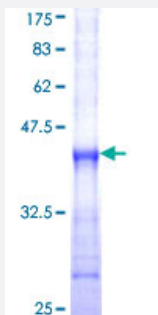


# P2RX5 (Human) Recombinant Protein (Q01)

Catalog # H00005026-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human P2RX5 partial ORF ( NP_002552, 126 a.a. - 224 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	DGACSKDSDCHAGEAVTAGNGVKTGRCLRRENLARGTCEIFAWCPLETSSRPEEPFLKEAEDFTIFIKNHIRFPKFNFSKSNVMDVKDRSFLKSCHFGP
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	36.63
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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](#)

Protein Accession# [NP\\_002552](#)

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](#)