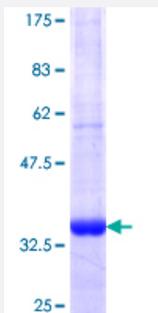


# P2RX2 (Human) Recombinant Protein (Q01)

Catalog # H00022953-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human P2RX2 partial ORF ( NP_036358.2, 128 a.a. - 205 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	KNSIHYPKFHFHFSKGNADRTDGYLKRCTFHEASDLYCPIFKLGFMEKAGESFTELAHKGGVIGVIIN WDCDLDPAS
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	34.32
<b>Interspecies Antigen Sequence</b>	Mouse (84); Rat (85)
<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 — P2RX2

**Entrez GeneID** [22953](#)

**GeneBank Accession#** [NM\\_012226](#)

**Protein Accession#** [NP\\_036358.2](#)

**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](#)