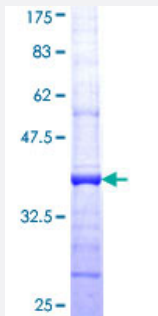


# P2RX3 (Human) Recombinant Protein (Q01)

Catalog # H00005024-Q01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human P2RX3 partial ORF ( NP_002550, 45 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	HEKAYQVRDTAIESSVVTKVKGSGLYANRVMDVSDYVTPPQGTSVFVIITKMVTENQMGGFCPES EEKYRCVSDSQCGPERLPGGGILTGRCVNYSSVLRTCEIQGWCP
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	37.84
<b>Interspecies Antigen Sequence</b>	Mouse (95); Rat (96)
<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 — P2RX3

Entrez GeneID [5024](#)

GeneBank Accession# [NM\\_002559](#)

Protein Accession# [NP\\_002550](#)

Gene Name P2RX3

Gene Alias MGC129956, P2X3

Gene Description purinergic receptor P2X, ligand-gated ion channel, 3

Omim ID [600843](#)

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 and may transduce ATP-evoked nociceptor activation. Mouse studies suggest that this receptor is important for peripheral pain responses, and also participates in pathways controlling urinary bladder volume reflexes. It is possible that the development of selective antagonists for this receptor may have a therapeutic potential in pain relief and in the treatment of disorders of urine storage. [provided by RefSeq]

**Other Designations** ATP receptor|P2X purinoceptor 3|P2X receptor, subunit 3|purinergic receptor P2X3|purinoceptor P2X3

## Pathway

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