

# Recombinant Rat P2rx6 Protein, His-tagged

**Cat. No.** P2rx6-1890R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat P2rx6 Protein (Leu86-Gly270) with N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | Leu86-Gly270                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Enables extracellularly ATP-gated cation channel activity. Predicted to be involved in cation transmembrane transport; cell surface receptor signaling pathway; and response to ATP. Located in several cellular components, including dendritic spine; neuronal cell body; and postsynaptic density. Is active in glutamatergic synapse and parallel fiber to Purkinje cell synapse. Is integral component of postsynaptic specialization membrane. Orthologous to human P2RX6 (purinergic receptor P2X 6). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 24.3 kDa<br>Accurate Molecular Mass: 24 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                               |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | P2rx6 purinergic receptor P2X, ligand-gated ion channel, 6 [ <i>Rattus norvegicus</i> (Norway rat) ]                                                                                                                 |
| <b>Official Symbol</b> | P2rx6                                                                                                                                                                                                                |
| <b>Synonyms</b>        | P2RX6; purinergic receptor P2X, ligand-gated ion channel, 6; P2X purinoceptor 6; P2XM; ATP receptor; P2X6 receptor; purinergic receptor P2X6; purinergic receptor P2X-like 1 orphan receptor; P2x6; P2rx1l; Rnap2x6; |
| <b>Gene ID</b>         | 25041                                                                                                                                                                                                                |
| <b>mRNA Refseq</b>     | NM_012721                                                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_036853                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | P51579                                                                                                                                                                                                               |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA