

# Recombinant Rat Vipr1 protein, His & T7-tagged

**Cat. No.** Vipr1-7929R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Vipr1 aa. (Gln34~Gly146 (Accession # P30083)) fused with N-terminal His & T7 tag was produced in E. coli cells.    |
| <b>Species</b>          | Rat                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                             |
| <b>ProteinLength</b>    | Gln34~Gly146                                                                                                                       |
| <b>Description</b>      | Transmembrane receptor for vasoactive intestinal polypeptide (VIP); associated with a G-protein which activates adenylate cyclase. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 16.6kDa.                                                                                                 |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                      |
| <b>Purity</b>           | >95%                                                                                                                               |
| <b>Characteristic</b>   | The isoelectric point is 4.7.                                                                                                      |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                           |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate                                           |

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was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage Buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                       |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

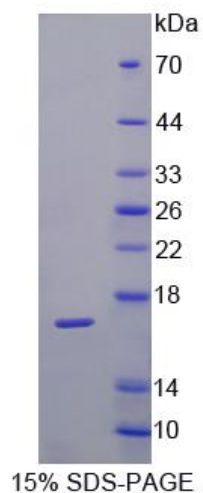
## GENE INFORMATION

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Vipr1 vasoactive intestinal peptide receptor 1 [ <i>Rattus norvegicus</i> (Norway rat) ]                                                                                                   |
| <b>Official Symbol</b> | Vipr1                                                                                                                                                                                      |
| <b>Synonyms</b>        | Vipr1; vasoactive intestinal peptide receptor 1; vasoactive intestinal polypeptide receptor 1; PACAP type II receptor; pituitary adenylate cyclase-activating polypeptide type II receptor |
| <b>Gene ID</b>         | 24875                                                                                                                                                                                      |
| <b>mRNA Refseq</b>     | NM_012685.2                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_036817.1                                                                                                                                                                                |
| <b>UniProt ID</b>      | P30083                                                                                                                                                                                     |

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**SDS-PAGE**

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