

## Recombinant Rat Dpp4 protein, His-tagged

**Cat. No.** Dpp4-7875R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Dpp4 aa. (Ser638~Arg767 (Accession # P14740)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ser638~Arg767                                                                                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 16 kDa as determined by SDS-PAGE reducing conditions                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 5.9.                                                                                                                                                                                                                                                                                                       |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP                                                                                                                                                                                                                                                                                                             |
| <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°C 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. |

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|-----------------------|------------------------------------------------------------------------------------------------------------|
| <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 liquid form in Phosphate buffered saline(PBS), pH 7.4.                                         |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                  |

## GENE INFORMATION

|                        |                                                                                                                                                                                  |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Dpp4 dipeptidylpeptidase 4 [ Rattus norvegicus (Norway rat) ]                                                                                                                    |
| <b>Official Symbol</b> | Dpp4                                                                                                                                                                             |
| <b>Synonyms</b>        | CD26; DPPIV; DPP IV; GP110 glycoprotein; T-cell activation antigen CD26; bile canaliculus domain-specific membrane glycoprotein; dipeptidyl peptidase IV; dipeptidyl peptidase 4 |
| <b>Gene ID</b>         | 25253                                                                                                                                                                            |
| <b>mRNA Refseq</b>     | NM_012789.1                                                                                                                                                                      |
| <b>Protein Refseq</b>  | NP_036921.1                                                                                                                                                                      |
| <b>UniProt ID</b>      | P14740                                                                                                                                                                           |

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