

## Active Recombinant Mouse DPP7 Protein, His-tagged

Cat. No. DPP7-952M    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant mouse DPP7 (Q9ET221) (Met1-Arg 506) was expressed, with a C-terminal polyhistidine tag.                                                                                                                                  |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                |
| <b>Source</b>               | HEK293                                                                                                                                                                                                                               |
| <b>ProteinLength</b>        | 1-506 a.a.                                                                                                                                                                                                                           |
| <b>Predicted N Terminal</b> | Asp 34                                                                                                                                                                                                                               |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                                                                                                  |
| <b>Bio-activity</b>         | Measured by its ability to cleave the fluorogenic peptide substrate, Lys-Pro-AMC(KP-AMC). The specific activity is >20,000 pmoles/min/μg.                                                                                            |
| <b>Molecular Mass</b>       | The recombinant mouse DPP7 consists of 484 amino acids and predicts a molecular mass of 53.7 KDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rmDPP7 is approximately 65 KDa as a result of glycosylation. |
| <b>Endotoxin</b>            | < 1.0 EU per μg of the protein as determined by the LAL method.                                                                                                                                                                      |
| <b>Purity</b>               | >92 % as determined by SDS-PAGE.                                                                                                                                                                                                     |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                            |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                  |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                             |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                            |
| <b>Gene Name</b>        | <a href="#">Dpp7 dipeptidylpeptidase 7 [ Mus musculus ]</a>                                                                                                                                                                |
| <b>Official Symbol</b>  | <a href="#">DPP7</a>                                                                                                                                                                                                       |
| <b>Synonyms</b>         | DPP7; dipeptidylpeptidase 7; dipeptidyl peptidase 2; DPP II; dipeptidyl-peptidase 2; dipeptidyl peptidase II; dipeptidyl-peptidase II; dipeptidyl aminopeptidase II; quiescent cell proline dipeptidase; QPP; Dpp2; DPPII; |
| <b>Gene ID</b>          | <a href="#">83768</a>                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | <a href="#">NM_031843</a>                                                                                                                                                                                                  |
| <b>Protein Refseq</b>   | <a href="#">NP_114031</a>                                                                                                                                                                                                  |
| <b>MIM</b>              |                                                                                                                                                                                                                            |
| <b>UniProt ID</b>       |                                                                                                                                                                                                                            |
| <b>Function</b>         | aminopeptidase activity; dipeptidyl-peptidase activity; hydrolase activity; peptidase activity; serine-type peptidase activity;                                                                                            |