

Active Recombinant Mouse DPP7 Protein, His-tagged

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

SPECIFICATION

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

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Storage	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.
Reconstitution	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.
GENE INFORMATION	
Gene Name	Dpp7 dipeptidylpeptidase 7 [Mus musculus]
Official Symbol	DPP7
Synonyms	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;
Gene ID	83768
mRNA Refseq	NM_031843
Protein Refseq	NP_114031
MIM	
UniProt ID	
Function	aminopeptidase activity; dipeptidyl-peptidase activity; hydrolase activity; peptidase activity; serine-type peptidase activity;

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