Active Recombinant Mouse Dipeptidylpeptidase 7, His-tagged

Cat. No. Dpp7-416M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinantmouse Dpp7 protein was expressed in Murine myeloma cell line, NS0-derived, with a C-terminal10-His tag.Asp34-Arg506
Species	Mouse
Source	Mammalian Cells
ProteinLength	34-506 a.a.
Description	The protein encodedby this gene is a post-proline cleaving aminopeptidase expressed in quiescentlymphocytes. The resting lymphocytes are maintained through suppression ofapoptosis, a state which is disrupted by inhibition of this novel serineprotease. The enzyme has strong sequence homology with prolylcarboxypeptidaseand is active at both acidic and neutral pH.
Form	Lyophilized from a0.2 μm filtered solution in Tris and Nacl.
N-terminal Sequence	Asp34
Molecular Weight	54 kDa
Activity	Measured by itsability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin(GP-AMC). The specific activity is > 2,500 pmoles/min/μg, as measur edunder the described conditions. See Activity Assay Protocol.

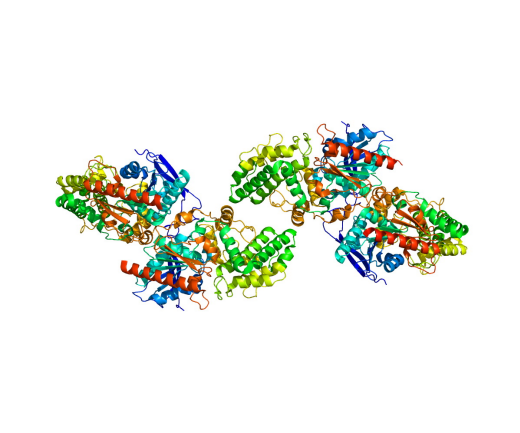
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Endotoxin Level	<1.0 EU per 1 μgof the protein by the LAL method.
Purity	>95%,by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 200μg/mL in 25 mM Tris and 150 mM NaCl, pH 7.5.
Storage	Use amanual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 °C as supplied. 3months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Dpp7dipeptidylpeptidase 7 [Mus musculus]
Official Symbol	Dpp7
Synonyms	Dpp7;dipeptidylpeptidase 7; QPP; Dpp2; DPPII; OTTMUSP00000012875; dipeptidylpeptidase 2; dipeptidyl-peptidase 2; dipeptidyl peptidase II; dipeptidyl-peptidaseII; dipeptidyl aminopeptidase II; quiescent cell proline dipeptidase;Ec 3.4.14.2; dipeptidylpeptidase 7
Gene ID	83768
mRNA Refseq	NM_031843
Protein Refseq	NP_114031
UniProt ID	Q9ET22
Chromosome Location	2

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Function	aminopeptidase activity;dipeptidyl-peptidase activity; hydrolase activity; peptidase activity;serine-type peptidase activity
Rendering based onPDB 3JYH.	

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