

Recombinant Human DPP7 protein, His & T7-tagged

Cat. No. DPP7-1056H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPP7 aa. (Asp28~Gly486 (Accession # Q9UHL4) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp28~Gly486
Description	The protein encoded by this gene is a post-proline cleaving aminopeptidase expressed in quiescent lymphocytes. The resting lymphocytes are maintained through suppression of apoptosis, a state which is disrupted by inhibition of this novel serine protease. The enzyme has strong sequence homology with prolylcarboxypeptidase and is active at both acidic and neutral pH.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 5.5.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	DPP7 dipeptidyl peptidase 7 [Homo sapiens (human)]
Official Symbol	DPP7
Synonyms	DPP7; dipeptidyl peptidase 7; QPP; DPP2; DPPII; dipeptidyl peptidase 2; DPP II; carboxytripeptidase; dipeptidyl aminopeptidase II; dipeptidyl arylamidase II; dipeptidyl-peptidase II; quiescent cell proline dipeptidase
Gene ID	29952
mRNA Refseq	NM_013379.2
Protein Refseq	NP_037511.2

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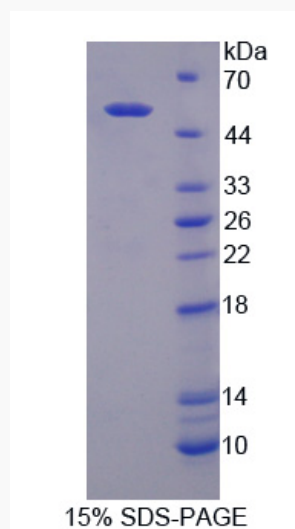
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UniProt ID

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SDS-PAGE

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