

Recombinant Human DPP6 protein, His & T7-tagged

Cat. No. DPP6-1055H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPP6 aa. (Phe667~Asp865 (Accession # P42658) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe667~Asp865
Description	This gene encodes a single-pass type II membrane protein that is a member of the peptidase S9B family of serine proteases. This protein has no detectable protease activity, most likely due to the absence of the conserved serine residue normally present in the catalytic domain of serine proteases. However, it does bind specific voltage-gated potassium channels and alters their expression and biophysical properties. Variations in this gene may be associated with susceptibility to amyotrophic lateral sclerosis and with idiopathic ventricular fibrillation. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.8kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.1.
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	DPP6 dipeptidyl peptidase like 6 [Homo sapiens (human)]
Official Symbol	DPP6
Synonyms	DPP6; dipeptidyl peptidase like 6; VF2; DPL1; DPPX; MRD33; dipeptidyl aminopeptidase-like protein 6; DPP VI; dipeptidyl aminopeptidase IV-related protein; dipeptidyl peptidase IV-related protein; dipeptidyl peptidase VI; dipeptidyl-peptidase 6
Gene ID	1804
mRNA Refseq	NM_130797.3

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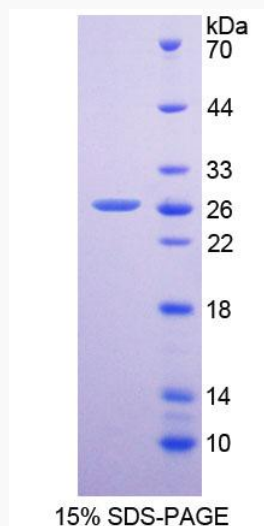
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Protein Refseq NP_570629.2

UniProt ID P42658

SDS-PAGE



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