

Recombinant Human DPP6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DPP6-3851H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DPP6 MS Standard C13 and N15-labeled recombinant protein (NP_570629) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	97.4 kDa
AA Sequence	MASLYQRFTGKINTSRSPAPPEASHLLGGQGPEEDGGAGAKPLGPRAQAAAPRE RGGGGGGAGGRPRFQYQARSDGDEEDELVGSNPPQRNWKGIAIALLVILVICSLIVT SVILLTPAEDNSLSQKKKVTVEDLFSEDFKIHDPEAKWISDTEFIYREQKGTVRLWNV ETNTSTVLIEGKKIESLRAIRYEISPDREYALFSYNVEPIYQHSYTGYYVLSKIPHGDPQ SLDPPEVSNAKLQYAGWGPKGQQLIFIFENNIYYCAHVGKQAIRVVSTGKEGVIYNG

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LSDWLYEEEEILKTHIAHWWSPDGTRLAYAAINDSRVPIMELPTYTGSIYPTVKPYHYP
KAGSENPSISLHVIGLNGPTHDLEMMPPDDPRMREYYITMVKWATSTKVAVTWLNLR
AQNVSILTLCDATTGVCTKKHEDESEAWLHRQNEEPVFSKDGRKFFFIIRAIPQGGRG
KFYHITVSSSQPNSSNDNIQSITSGDWDVTKILAYDEKGNKIYFLSTEDLPRRRQLYS
ANTVGNFNRQCLSCDLVENCTYFSASFHSMDFLLKCEGPGVPMVTVHNTTDDKKK
MFDLETNEHVKKAINDRQMPKVEYRDIEIDDYNLPMQILKPATFTDTTHYPLLLVVDG
TPGSQSVAEKFEVSWETVMVSSHGAVVVKCDGRGSGFGTKLLHEVRRRLGLLEE
KDQMEAVRTMLKEQYIDRTRVAVFGKDYGGLSTYILPAKGENQGQTFTCGSALSPI
TDFKLYASAFSERYLGLHGLDNRAYEMTKVAHRVSALEEQQFLIIHPTADEKIHFAQHT
AELITQLIRGKANYSLQIYPDESHYFTSSSLKQHL YRSIINFFVECFRIQDKLPTVTAKE
DEEEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DPP6 dipeptidyl-peptidase 6 [Homo sapiens (human)]
Official Symbol	DPP6
Synonyms	DPP6; dipeptidyl-peptidase 6; dipeptidylpeptidase 6, dipeptidylpeptidase VI; dipeptidyl aminopeptidase-like protein 6; DPPX; DPP VI; dipeptidylpeptidase 6; dipeptidyl

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peptidase 6; dipeptidylpeptidase VI; dipeptidyl peptidase VI; dipeptidyl peptidase IV-like protein; dipeptidyl peptidase IV-related protein; dipeptidyl aminopeptidase-related protein; dipeptidyl aminopeptidase IV-related protein; VF2; FLJ55680; MGC46605;

Gene ID [1804](#)

mRNA Refseq [NM_130797](#)

Protein Refseq [NP_570629](#)

MIM [126141](#)

UniProt ID [P42658](#)

SDS-PAGE

