

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 SLDPPEVSNACLQYAGWGPKGQQLIFENNIIYYCAHVGKQAIRVVSTGKEGVIYNG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LSDWLYEEEEILKTHIAHWWSPDGTRLAYAAINDSRVPIMELPTYTGSIYPTVKPYHYP
KAGSENPSISLHVIGLNGPTHDLEMMPPDDPRMREYYITMVKWATSTKVAVTWLNLR
AQNVSILTLCDATTGVCTKKHEDESEAWLHRQNEEPVFSDKGRKFFFIIRAIPQGGRG
KFYHITVSSSQPNSSNDNIQSITSGDWDVTKILAYDEKGNKIYFLSTEDLPRRRQLYS
ANTVGNFNRQCLSCDLVENCTYFSASFHSMDFLLKCEGPGVPMVTVHNTTDDKKK
MFDLETNEHVKKAINDRQMPKVEYRDIEIDDYNLPMQILKPATFTDTTHYPLLLVVDG
TPGSQSVAEKFEVSWETVMVSSHGAVVVKCDGRGSGFGTKLLHEVRRRLGLLEE
KDQMEAVRTMLKEQYIDRTRVAVFGKDYGGLSTYILPAKGENQGQTFTCGSALSPI
TDFKLYASAFSERYLGLHGLDNRAYEMTKVAHRVSALEEQQFLIHPADEKIHFAQHT
AELITQLIRGKANYSLQIYPDESHYFTSSSLKQHLYSIINFFVECFRIQDKLPTVTAKE
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

