

Recombinant Human DPP6 Protein, His tagged

Cat. No. DPP6-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DPP6 Protein (K120-D803, V458E) with His tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	120-803 aa
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	79 kDa
AASequence	KKIESLRAIRYEISPDREYALFSYNVEPIYQHSTGYVLSKIPHGDPQSLDPPEVSNA KLQYAGWGPKGQQLIFIFENNIYYCAHVKGQAIRVVSTGKEGVIYNGLSDWLYEEEEIL KTHIAHWWSPDGTRLAYAAINDSRVPIMELPTYTGSIYPTVKPYHYPKAGSENPSISL HVIGLNGPTHDLMMPPDDPRMREYYITMVKWATSTKVAVTWLNRAQNVSILTLCD ATTGVCTKKHEDESEAWLHRQNEEPVFSKDGRKFFFIRAIPQGGRGKFYHITVSSSQ

 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

PNSSNDNIQSITSGDWDVTKILAYDEKGNKIYFLSTEDLPRRRQLYSANTVGNFNRQ
 CLSCDLVENCTYFSASFHSMDFLLKCEGPGVPMVTVHNTTDKKKMFLETNEHV
 KKAINDRQMPKVEYRDIEIDYDNLPMQILKPATFTDTTHYPLLLVVDGTPGSQSVAEK
 FEVSWETVMVSSHGAVVVKCDGRSGFGQTKLLHEVRRRLGLLEEKDQMEAVRT
 MLKEQYIDRTRVAVFGKDYGGYLSTYILPAKGENQGQTFTCGSALSPITDFKLYASAF
 SERYLGLHGLDNRAYEMTKVAHRVSALEEQQFLIHPHTADEKIHQHTAELITQLIRGK
 ANYSLQIYPDESHYFTSSSLKQHLRYRSIINFFVECFRIQDKLPTVTAKEDEEEDHHHH
 HHHH

Endotoxin < 1 EU/μg by LAL

Purity >90% estimated by SDS-PAGE

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer Sterile PBS, pH7.4, 10% Glycerol, 5% Trehalose

Concentration 1 mg/mL by BCA

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 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

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Gene ID	1804
mRNA Refseq	NM_001039350
Protein Refseq	NP_001034439
MIM	126141
UniProt ID	P42658

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