

Dipeptidyl aminopeptidase-like protein 6 Recombinant Protein | DPP6 recombinant protein

Recombinant Rat Dipeptidyl aminopeptidase-like protein 6

CATALOG # AAA113262	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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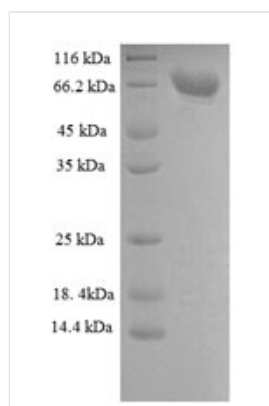
PRODUCT SYNONYMS

Dipeptidyl aminopeptidase-like protein 6; Recombinant Rat Dipeptidyl aminopeptidase-like protein 6; DPPX; Dipeptidyl aminopeptidase-related protein; Dipeptidyl peptidase 6; Dipeptidyl peptidase IV-like protein; Dipeptidyl peptidase VI; DPP VI; DPP6 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	111-859aa; Extracellular Domain
Sequence	LTPAEDTSL S QKKKVTVDL FSEDFKIHP EAKWISDKEF IYRERKGSVI LRNVETNNST VLIEGKKIES LRAIRYEISP DKEYALFSYN VEPVYQHSHT GYYVLSKIPH GDPQLDPPE VSNAKLQYAG WGPKGQQLIF IFENNIYYCA HVGKQAIRVV STGKEGVIYN GLSDWLYEEE ILKSHIAHWW SPDGTRLAYA TINDSRVPLM ELPTYGTSVY PTVKPYHYPK AGSENPSISL HVIGLNGPTH DLEMMPPDDP RMREYYITMV KWATSTKVAV TWLNRAQNVS ILTLCDAATTG VCTKKHEDES EAWLHRQNEE PVFSKDGRKF FFVRAIPQGG RGKFYHITVS SSQPNSSNDN IQSITSGDWD VTEILTYDEK RNKLYFLSTE DLPRRRHLYS ANTVDDEFNRQ CLSCDLVENC TYVSASFSHN MDFFLKCEG PGVPTVTVHN TTDKRRMFDL EANEQVQKAI YDRQMPKIEY RKIEVEDYSL PMQILKPATF TDTAHYPLLL VVDGTPGSQS VSERFEVTWE TVLVSSHGAV VVKCDGRGSG FQGTKLLHEV RRRLGFLEEK DQMEAVRTML KEQYIDKTRV AVFGKDYGGY LSTYILPAKG ENQGQTFTCG SALSPITDFK LYASAFSERY LGLHGLDNRA YEMTKLAHRV SALEDQQFLI IHATADEKIH FQHTAELITQ LIKGKANYSL QIYPDESHYF HSVALKQHLY RSIIGFFVEC FRIQDKLPTA TAKEDEEED
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DPP6 recombinant protein	Promotes cell surface expression of the potassium channel KCND2. Modulates the activity and gating characteristics of the potassium channel KCND2. Has no dipeptidyl aminopeptidase activity.
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References	Differential expression of two distinct forms of mRNA encoding members of a dipeptidyl aminopeptidase family.Wada K., Yokotani N., Hunter C., Doi K., Wenthold R.J., Shimasaki S.Proc. Natl. Acad. Sci. U.S.A. 89:197-201(1992) The CD26-related dipeptidyl aminopeptidase-like protein DPPX is a critical component of neuronal A-type K+ channels.Nadal M.S., Ozaita A., Amarillo Y., Vega-Saenz de Miera E., Ma Y., Mo W., Goldberg E.M., Misumi Y., Ikehara Y., Neubert T.A., Rudy B.Neuron 37:449-461(2003) Multiprotein assembly of Kv4.2, KChIP3 and DPP10 produces ternary channel complexes with ISA-like properties.Jerng H.H., Kunjilwar K., Pfaffinger P.J.J. Physiol. (Lond.) 568:767-788(2005) A novel N-terminal motif of dipeptidyl peptidase-like proteins produces rapid inactivation of KV4.2 channels by a pore-blocking mechanism.Jerng H.H., Dougherty K., Covarrubias M., Pfaffinger P.J.Channels 3:448-461(2009) The dipeptidyl-peptidase-like protein DPP6 determines the unitary conductance of neuronal Kv4.2 channels.Kaulin Y.A., De Santiago-Castillo J.A., Rocha C.A., Nadal M.S., Rudy B., Covarrubias M.J. Neurosci. 29:3242-3251(2009)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12408298
NCBI GeneID	29272
NCBI Accession #	NP_074041.1
NCBI GenBank Nucleotide #	NM_022850.1
UniProt Accession #	P46101
Molecular Weight	87.6 kDa
NCBI Official Full Name	dipeptidyl aminopeptidase-like protein 6
NCBI Official Synonym Full Names	dipeptidyl peptidase like 6
NCBI Official Symbol	Dpp6
NCBI Official Synonym Symbols	DPP VI
NCBI Protein Information	dipeptidyl aminopeptidase-like protein 6
UniProt Protein Name	Dipeptidyl aminopeptidase-like protein 6
UniProt Gene Name	Dpp6
UniProt Synonym Gene Names	DPP VI
UniProt Entry Name	DPP6_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.