

Product datasheet for TP522697

Dpp4 (NM_010074) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse dipeptidylpeptidase 4 (Dpp4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222697 representing NM_010074 Red=Cloning site Green=Tags(s)

MKTPWKVLLGLLGVAALVTIITVPIVLLSKDEAAADSRRTYSLADYLKSTFRVKSYSLWWVSDFEYLYKQ
ENNILLNNAEHGNSSIFLENSTFESFGYHSVSPDRLFVLLLEYNVVKQWRHSYASYNIDVNRQLITEE
KIPNNTQWITWSPEGHKLAYVWKNDIYVKVEPHLPSHRITSTGEENVYNGITDWVYEEVFGAYSALWW
SPNNTFLAYAQNFTGVPLIEYSFYSDSLQYPKTWIPYKAGAVNPTVKFFIVNIDSLSSSSAAPIQ
IPAPASVARGDHLYCDVWATEERISLQWLRRIQNYSVMAICDYDKINLTWNCPSQQHVEMSTTGWVGR
FRPAEPHFTSDGSSFYKIISDKDGYKHICHFPKDKKDCFTITKGAWEVISIEALTSDYLYISNQYKEMP
GGRNLYKIQLTDHTNVKCLSCDLNPERCQYAVSFSKEAKYYQLGCWGPGLPLYTLHRSTDHKELRVLED
NSALDRMLQDVQMPSKKLDFIVLNETRFWYQIMLPPHFDKSKKYPLLLDVYAGPCSQKADASFRLNWATY
LASTENIIVASFDGRGSGYQGDKIMHAINRRLGTLEVEDQIEAARQFVKMGFVDSKRVAIWGWSYGGYVT
SMVLGSGSGVFKCGIAPVSRWEYDVSVYTERYMGLPIPEDNLDHYRNSTVMSRAEHFKQVEYLLIHGT
ADDNVHFQQSAQISKALVDAGVDFQAMWYDDEDHGIASSTAHQHIYSHMSHFLQQCFSLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

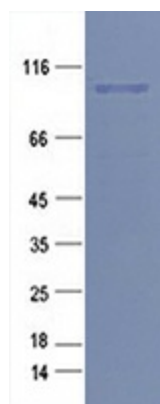
Tag:	C-MYC/DDK
Predicted MW:	87.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034204
Locus ID:	13482
UniProt ID:	P28843 , Q3TR43
RefSeq Size:	5268
Cytogenetics:	2 35.85 cM
RefSeq ORF:	2280
Synonyms:	Cd26; Dpp-4; THAM
Summary:	Cell surface glycoprotein receptor involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. Acts as a positive regulator of T-cell coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and invasion of endothelial cells into the ECM. May be involved in the promotion of lymphatic endothelial cells adhesion, migration and tube formation. When overexpressed, enhanced cell proliferation, a process inhibited by GPC3. Acts also as a serine exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes by cleaving peptides in the circulation, including many chemokines, mitogenic growth factors, neuropeptides and peptide hormones. Removes N-terminal dipeptides sequentially from polypeptides having unsubstituted N-termini provided that the penultimate residue is proline.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Dpp4 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.