

Product datasheet for TP309466

CD26 (DPP4) (NM_001935) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dipeptidyl-peptidase 4 (DPP4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209466 protein sequence Red=Cloning site Green=Tags(s)

MKTPWKVLLGLLGAAALVTIITVPVLLNKGTTDDATADSRKTYTLTDYLNKNTYRLKLYSLRWISDHEYLY
KQENNILVFNAEYGNSSVFLNSTFDEFGHSINDYSISPDGQFILLEYNVVKQWRHSYASYDIYDLNKR
QLITEERIPNNTQWVTWSPVGHKLAYVWNNDIYVKIEPNLPSYRITWTGKEDIYNGITDWWYEEVFSA
YSALWWSPNGTFLAYAQNDETEVPLIEYSFYSDSLQYPKTVRVPYPKAGAVNPTVKFFVNTDSLSSVT
NATSIQITAPASMLIGDHYLCDVTWATQERISLQWLRRIQNYSMVDICDYDESSGRWNCLVARQHIEMST
TGWVGRFRPSEPHFTLDGNSFYKIISNEEGYRHICYFQIDKKDCTFITKGTWEVIGIEALTSYLYYISN
EYKGMPPGGRNLYKIQLSDYTKVTCLSCENPERCQYYSVSFSKEAKYYQLRCSGPGPLPLYTLHSSVNDKG
LRVLEDNSALDKMLQNVQMPSKKLDFIILNETKFWYQMLPPHFDKSKKYPLLLDVYAGPCSQKADTVFR
LNWATYLASTENIIVASFDGRGSGYQGDKIMHAINRRLLGTFEVEDQIEAARQFSKMGFVDNKRIAIWGWS
YGGYVTSMLVLSGSGVFKCGIAPVSRWEYDVSYTERYMGLPTPEDNLDHYRNSTVMSRAENFKQVEY
LLIHGTADDNVHFQQAQISKALVDVGVDFQAMWYDDEDHGIASSTAHQHIYTHMSHFIKQCFSLP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

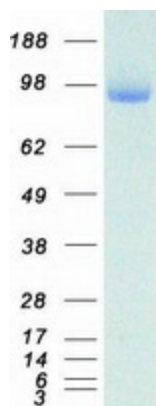
Tag:	C-Myc/DDK
Predicted MW:	88.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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_001926
Locus ID:	1803
UniProt ID:	P27487
RefSeq Size:	3913
Cytogenetics:	2q24.2
RefSeq ORF:	2298
Synonyms:	ADABP; ADCP2; CD26; DPPIV; TP103
Summary:	The DPP4 gene encodes dipeptidyl peptidase 4, which is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic type II transmembrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. Dipeptidyl peptidase 4 is highly involved in glucose and insulin metabolism, as well as in immune regulation. This protein was shown to be a functional receptor for Middle East respiratory syndrome coronavirus (MERS-CoV), and protein modeling suggests that it may play a similar role with SARS-CoV-2, the virus responsible for COVID-19. [provided by RefSeq, Apr 2020]
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane

Product images:



Coomassie blue staining of purified DPP4 protein (Cat# TP309466). The protein was produced from HEK293T cells transfected with DPP4 cDNA clone (Cat# [RC209466]) using MegaTran 2.0 (Cat# [TT210002]).