

DPP4 active protein

DPP4 (CD26), 39-766aa, Human, His tag, Baculovirus (Bioactivity Validated)

CATALOG # AAA11760	HOST Baculovirus	APPLICATIONS SDS-Page
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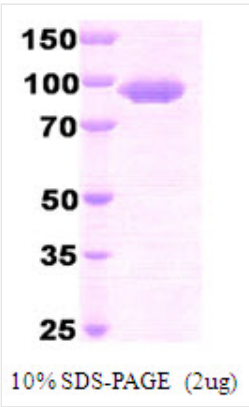
PRODUCT SYNONYMS

DPP4; DPP4 (CD26); 39-766aa; Human; His tag; Baculovirus (Bioactivity Validated); Dipeptidyl peptidase-4; DPPIV; ADABP; ADCP2; TP103; dipeptidyl-peptidase 4; CD26; dipeptidylpeptidase IV (CD26 adenosine deaminase complexing protein 2); adenosine deaminase complexing protein 2; ; DPP4 active protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM Tris-HCl pH 8.0, 100mM NaCl, 1mM EDTA, 10% glycerol
Concentration	0.5 mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence	ADPSRKTYTL TDYLNKTYRL KLYSLRWISD HEYLYKQENN ILVFNAEYGN SSVFLENSTF DEFGHSINDY SISPDGQFIL LEYNYVKQWR HSYTASYDIY DLNKRQLITE ERIPNNTQWV TWSPVGHKLA YVWNNDIYVK IEPNLPSYRI TWTGKEDIY NGITDWVYEE EVFSAYSALW WSPNGTFLAY AQFNDTEVPL IEYSFYSDS LQYPKTVRVP YPKAGAVNPT VKFFVNTDS LSSVTNATSI QITAPASMLI GDHYLCDVTW ATQERISLQW LRRIQNYSVM DICDYDESSG RWNCLVARQH IEMSTTGWVG RFRPSEPHFT LDGNSFYKII SNEEGYRHIC YFQIDKKDCT FITKGTWEVI GIEALTSYDL YYISNEYKGM PGGRNLYKIQ LSDYTKVTCL SCELNPERCQ YYSVSFSKEA KYYQLRCSGP GLPLYTLHSS VNDKGLRVLE DNSALDKMLQ NVQMPSKKLD FIILNETKFW YQMILPPHFD KSKKYPLLLD VYAGPCSQKA DTVFRLNWAT YLASTENIIV ASFDGRGSGY QGDKIMHAIN RRLGTFEVED QIEAARQFSK MGFVDNKRIA IWGWSYGGYV TSMVLGSGSG VFKCGIAVAP VSRWEYDSV YTERYMGLPT PEDNLDHYRN STVMSRAENF KQVEYLLIHG TADDNVHFQQ SAQISKALVD VGVDFQAMWY TDEDHGIASS TAHQHIYTHM SHFIKQCFSL PHHHHHH
Sequence Length	766
Applicable Applications for DPP4 active protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity	Specific activity is > 200 units/mg, One unit produces 1.0 umole of p-Nitroaniline from Gly-Pro- p-Nitroaniline per minute at pH 8.0 at 37C.
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DPP4 active protein	DPP4, dipeptidyl peptidase-4 is a complex enzyme expressed on the surface of most cell types and is a serine exopeptidase that cleaves x-proline dipeptides from the N-terminus of polypeptides. DPP4 protein is associated with intracellular signal transduction, apoptosis and plays an important role in tumor biology. There are at least 63 substrates which can bind specifically to DPP4 enzyme including growth factors, chemokines, neuro peptides. Furthermore, DPP4 plays a major role in glucose metabolism by cleaving incretins such as glucose-dependent insulinotropic polypeptide (GIP) and glucagon-like peptide-1 (GLP-1). Recombinant human DPP4 protein was expressed with c-terminal His-tag in high-5 cells using baculovirus expression system and purified by using conventional chromatography techniques.
Product Categories/Family for DPP4 active protein	Enzymes & Proteases
References	Pratley RE and Salsali A. (2007) Curr Med Res Opin. 23 (4):919-31; Rosenstock J. and Zinman B. (2007) Curr Opin Endocrino Diabetes Obes.60 (11):1454-70; Barnett A. (2006). J.Clin. Pract. 60 (11):1454-70;

NCBI AND UNIPROT INFORMATION

NCBI GI #	18765694
NCBI GeneID	1803
NCBI Accession #	NP_001926
NCBI GenBank Nucleotide #	NM_001935.3
UniProt Accession #	P27487; Q53TN1
Molecular Weight	85.4kDa (737aa), confirmed by MALDI-TOF
NCBI Official Full Name	dipeptidyl peptidase 4
NCBI Official Synonym Full Names	dipeptidyl peptidase 4
NCBI Official Symbol	DPP4
NCBI Official Synonym Symbols	CD26; ADABP; ADCP2; DPPIV; TP103
NCBI Protein Information	dipeptidyl peptidase 4
UniProt Protein Name	Dipeptidyl peptidase 4
UniProt Gene Name	DPP4
UniProt Synonym Gene Names	ADCP2; CD26; ADCP-2; DPP IV

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.

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Online datasheet: <https://stage.aaabiotech.com/baculovirus-active-protein/dpp4/11760>