



Recombinant Human Dipeptidyl peptidase 4 (DPP4)

Product Code	CSB-CF007139HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P27487
Product Type	Transmembrane Protein
Immunogen Species	Homo sapiens (Human)
Sequence	MKTPWKVLLGLLGAAALVTIITVPVLLNKGTDATADSRKTYTLTDYLNKNTYRL KLYSLRWISDHEYLYKQENNILVFNAEYGNSSVFLENSTFDEFGHSINDYSISIP DGQFILLEYNVVKQWRHSYTASYDIYDLNKRQLITEERIPNNTQWVTWSPVGH KLAYVWNNDIYVKIEPNLPSYRITWTGKEDIYNGITDWVYEEVFSAAYSALWW SPNGTFLAYAQFNDTEVPLIEYSFYSDSLQYPKTVRVPYPKAGAVNPTVKFFV VNTDSLSSVTNATSIQITAPASMLIGDHVLCVDTWATQERISLQWLRRIQNYSV MDICDYDESSGRWNCVLRQHIEMSTTGWVGRFRPSEPHFTLDGNSFYKIISN EEGYRHICYFQIDKKDCTFITKGTWEVIGIEALTSYLYISNEYKGMPPGGRNLY KIQLSDYTKVTCLSCELNPERCQYYSVSFSKEAKYYQLRCSGPGLPLYTLHSS VNDKGLRVLEDNSALDKMLQNVQMPSKKLDFIILNETKFWYQMILPPHFDKSK KYPLLLDVYAGPCSQKADTVFRLNWATYLASTENIIVASFDGRGSGYQGDKIM HAINRRRLGTFEVEDQIEAARQFSKMGFVDNKRKIAIWGWSYGGYVTSMLVLSG SGVFKCGIAVAPVSRWEYYDSVYTERYMGLPTPEDNLDHYRNSTVMSRAENF KQVEYLLIHGTADDNVHFQQSAQISKALVDVGVDVFQAMWYTDEDHGIASSTAH QHIYTHMSHFQKCFSLP
Source	in vitro E.coli expression system
Gene Names	DPP4
Protein Names	Recommended name: Dipeptidyl peptidase 4 EC= 3.4.14.5Alternative name(s): ADABP Adenosine deaminase complexing protein 2 Short name= ADCP-2 Dipeptidyl peptidase IV Short name= DPP IV T-cell activation antigen CD26 TP103 CD_antigen= CD26Cleav
Expression Region	1-766
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged
Protein Description	full length protein
Description	

The cDNA fragment encoding full-length human dipeptidyl peptidase 4(DPP4) was expressed in vitro E.coli expression system. CUSABIO offers a custom tag service. DPP4 is a serine protease that regulates postprandial islet hormone secretion and glycemia by rapidly inactivating the incretin peptides, glucagon-like peptide-1, and glucose-dependent insulinotropic polypeptide. It also exerts noncatalytic effects through its interaction with ligands such as caveolin-1,



extracellular matrix, CXCR4, and ADA. DPP4-ADA interaction stimulates T-cell action. DPP4 has also been confirmed to physically interact with caveolin-1 on antigen-presenting cells, inducing aggregation and phosphorylation, which activates NF- κ B.