

Datasheet for ABIN2180982
DPP4 Protein (AA 34-766) (His tag)



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1 Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | DPP4 |
| Protein Characteristics: | AA 34-766 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This DPP4 protein is labelled with His tag. |

Product Details

| | |
|------------------|---|
| Sequence: | AA 34-766 |
| Characteristics: | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 85.4 kDa. The protein migrates as 95 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| Purity: | >95 % as determined by SDS-PAGE. |
| Endotoxin Level: | Less than 1.0 EU per µg by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | DPP4 |
| Alternative Name: | DPPIV (DPP4 Products) |
| Background: | Dipeptidyl peptidase-IV (DPPIV) is also known as adenosine deaminase complexing protein 2, DPPIV or CD26 is antigenic enzyme expressed on the surface of most cell types and is |

Target Details

associated with immune regulation, signal transduction and apoptosis. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. The substrates of DPPIV are proline (or alanine)-containing peptides and include growth factors, chemokines, neuropeptides, and vasoactive peptides. DPPIV plays a major role in glucose metabolism. It is responsible for the degradation of incretins such as GLP-1. DPPIV plays an important role in tumor biology, and is useful as a marker for various cancers, with its levels either on the cell surface or in the serum increased in some neoplasms and decreased in others. DPPIV also binds the enzyme adenosine deaminase specifically and with high affinity. The significance of this interaction has yet to be established.

Molecular Weight: 85.7 kDa

NCBI Accession: [NP_001926](#)

Pathways: [Peptide Hormone Metabolism, Regulation of Leukocyte Mediated Immunity](#)

Application Details

Restrictions: For Research Use only

Handling

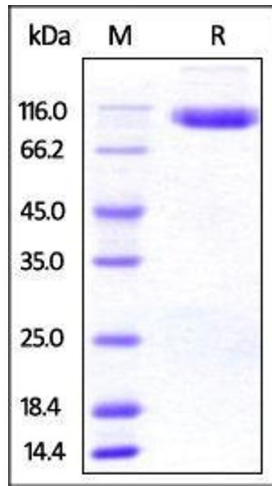
Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.



SDS-PAGE

Image 1. Human DPPIV, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.