HUMAN CD26 PROTEIN, HIS TAG

Cat.#: 11381

Product Name: Human CD26 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: ADABP;ADCP2;CD26;DPPIV;TP103

Target: CD26

UNIPROT ID: P27487

Description: Recombinant Human CD26 with C-terminal 6xHis tag

Background: 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]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 85.7 kDa after removal of the signal peptide.The apparent molecular mass of CD26-His is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CD26(Asp34-Pro766) 6×His tag

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

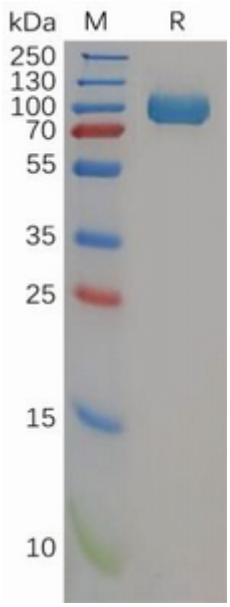

Figure 1. Human CD26 Protein, His Tag on SDS-PAGE under reducing condition.