# HUMAN CD26 (29-766) PROTEIN, HIS TAG

**Cat.#:**   11387

**Product Name:**  Human CD26 (29-766) 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 111.5 kDa after removal of the signal peptide.The apparent molecular mass of CD26-His is approximately 100-130 kDa due to glycosylation.

**Molecular Characterization:**   CD26(Asn29-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 -20ºC to -80ºC for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80ºC (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
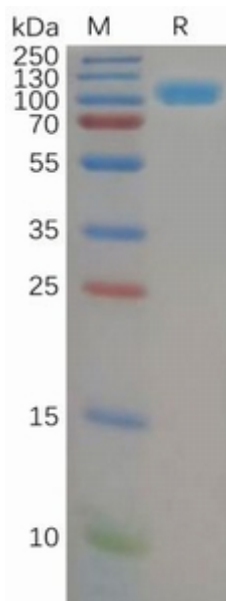
Figure 1. Human CD26 Protein, His Tag on SDS-PAGE under reducing condition.