

# Recombinant Human DPP4/CD26 Protein

RPES6173

## Description

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This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

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**SKU:** RPES6173

**Purity:** > 70 % as determined by reducing SDS-PAGE.

**Contents:** 50µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** ADABP Protein, ADCP2 Protein, CD26 Protein, DPPIV Protein, Human, TP103 Protein

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.  
Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** None

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** 1. Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido- 4-methylcoumarin (GP-AMC). The specific activity is > 2, 500 pmoles/min/µg. 2. Using the Octet RED System, the affinity constant (Kd) of Recombinant Human DPP4/CD26 Protein(Active)(Cat: RPES6173) bound to Recombinant MERS-CoV Spike Protein (S1+S2 ECD, aa 1-1297, His Tag) (Cat: RPES6986) was 33 nM. 3. Using the Octet RED System, the affinity constant (Kd) of Recombinant Human DPP4/CD26 Protein(Active)(Cat: RPES6173) bound to Recombinant HCoV-HKU1 (Isolate N1) S1 Protein (His Tag) (Cat: RPES6874) was 12 nM.

**Calculated MW:** 85.4 kDa

**Formulation:** Lyophilized from sterile 100mM NaCl, 50mM Tris, pH 7.5 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Observed MW:** 95 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** NP\_001926.2

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Source:** HEK293 Cells-derived Human DPP4/CD26 protein Asn29-Pro766

**Sequence:** Asn29-Pro766

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder

