

Recombinant Human DPP4/DPPIV/CD26 Protein (Fc Tag)

RPES2473

Description

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

SKU: RPES2473

Purity: > 95 % 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, ADCP-2, Adenosine deaminase complexing protein 2, DPP IV, Dipeptidyl peptidase 4, Dipeptidyl peptidase IV, T-cell activation antigen CD26

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: N-hFc

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 bind recombinant Cynomolgus CXCL12 in a functional ELISA. 2. Measured by its ability to bind recombinant Human SDF1b in a functional ELISA. 3. Using the Octet RED System, the affinity constant (Kd) of human Fc-DPPIV bound to Spike (HCoV-EMC/2012) was 11 nM. 4. Using the Octet RED System, the affinity constant (Kd) of human Fc-DPPIV bound to Spike (HCoV-EMC/2012) was 32 nM. 5. Using the Octet RED System, the affinity constant (Kd) of human Fc-DPPIV bound to Spike (HCoV-EMC/2012) (ECD, aa 1-1297) was 43 nM. 6. Using the Octet RED System, the affinity constant (Kd) of human Fc-DPPIV bound to Spike-His (aa 1- 760) was 12 nM.

Calculated MW: 112 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4. 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: 120-130 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/DPPIV/CD26 protein Asn 29-Pro 766, with an N- terminal hFc

Sequence: Asn 29-Pro 766

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

Form: Lyophilized powder

