

Recombinant Human VEGFR2/Flk-1/KDR Protein (His Tag)

RPES2841

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: RPES2841

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 100µg, 1mg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: CD309, FLK-1, FLK1, Fetal liver kinase 1, Flk-1, KDR, Kinase insert domain receptor, Protein-tyrosine kinase receptor flk-1, VEGFR, VEGFR-2, VEGFR2, Vascular endothelial growth factor receptor 2

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: C-His

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Using the Octet RED System, the affinity constant (Kd) of human VEGFR2-his bound to biotinylated human VEGF165 was 5.9nM. 2. Measured by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells(HUVEC). The ED50 for this effect is typically 10-50µg/mL in the presence of 10 ng/mL recombinant human VEGF165.

Calculated MW: 84.6 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.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 120-130 kDa

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

Accession: NP_002244.1

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 VEGFR2/Flk-1/KDR protein Met 1-Glu 764, with an C- terminal His

Sequence: Met 1-Glu 764

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

Form: Lyophilized powder