

Recombinant Human VEGF165/VEGFA Protein

RPES3789

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: RPES3789

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 50µg, 10µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Synonyms: MVCD1, VEGF, VEGF165, VPF, Vascular Endothelial Growth Factor Isoform 165

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: Immobilized Human VEGF165 (RPES3789) at 10µg/ml (100 µl/well) can bind Human VEGFR1-Fc (RPES4497). The ED50 of Recombinant Human VEGFR1-Fc (RPES4497) is 36.4 ng/ml.

Calculated MW: 19.1 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Citrate, 8% Sucrose, 4% Mannitol, 0.05% Tween 80, pH4.0. 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: 18-24 kDa

Reconstitution: Please refer to the printed manual for detailed information. Immobilized Human VEGF165

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

(RPES3789) at 10 μ g/ml (100 μ l/well) can bind Human VEGFR1-Fc (RPES4497). The ED50 of Recombinant Human VEGFR1-Fc (RPES4497) is 36.4 ng/ml. Loaded Brolucizumab on AMC Biosensor, can bind Recombinant Human VEGF165 (RPES3789) with an affinity constant of 22.2 pM as determined in BLI assay.

Accession: P15692-4

Source: HEK293 Cells-derived Human VEGF165/VEGFA protein Ala27-Arg191

Sequence: Ala27-Arg191

Form: Lyophilized powder

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

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