

Human CellExp™ VEGF R3, Fc Tag, human recombinant

CATALOG NO: P1148-10 10 µg
P1148-50 50 µg

ALTERNATE NAMES: Flt-4, FLT4, LMPH1A, PCLFLT41, VEGFR3, VEGFR-3, FLT-4, FLT-41, FLT41, PCL, Vascular endothelial growth factor receptor 3

SOURCE: HEK 293 cells (Tyr 25 - Ile 776)

PURITY: > 95% by SDS – PAGE

MOL. WEIGHT: This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 111.2 kDa. As a result of glycosylation, the protein migrates as 140-160 kDa under reducing (R) condition and 280-320 kDa under non-reducing (NR) condition on SDS-PAGE gel.

ENDOTOXIN LEVEL: < 1.0 EU per 1µg of protein (determined by LAL method)

FORM: Lyophilized

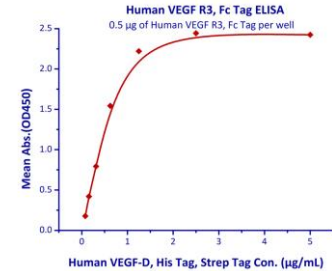
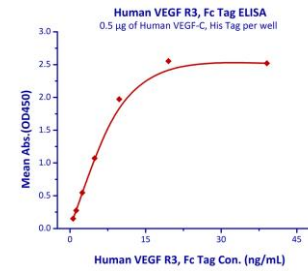
FORMULATION: Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.

STORAGE CONDITIONS: Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles.

RECONSTITUTION: Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex.

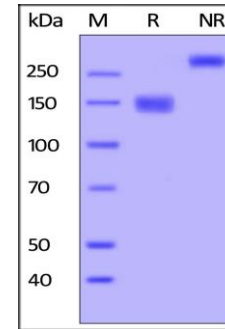
DESCRIPTION: Vascular endothelial growth factor receptor 3 (VEGF R3), also known as FLT-4, together with the other two members VEGFR1 (FLT-1) and VEGFR2 (KDR/Flk-1) are receptors for vascular endothelial growth factors (VEGF) and belong to the class III subfamily of receptor tyrosine kinases (RTKs). VEGF R3 mediates lymphangiogenesis in response to VEGF-C and VEGF-D. VEGF R3 is widely expressed in the early embryo but becomes restricted to lymphatic endothelia at later stages of development. It is likely that VEGF R3 may be important for lymph angiogenesis.

BIOACTIVITY: Immobilized Human VEGF-C, His Tag at 5µg/mL (100 µL/well) can bind Human VEGF R3, Fc Tag with a linear range of 0.6-10 ng/mL. Immobilized Human VEGF R3, Fc Tag at 5µg/mL (100 µL/well) can bind Human VEGF-D, His Tag, Strep Tag with a linear range of 0.08-0.6 µg/mL.



Immobilized Human VEGF-C, His Tag at 5 µg/mL (100 µL/well) can bind Human VEGF R3, Fc Tag with a linear range of 0.6-10 ng/mL

Immobilized Human VEGF R3, Fc Tag at 5 µg/mL (100 µL/well) can bind Human VEGF-D, His Tag, Strep Tag with a linear range of 0.08-0.6 µg/mL



Human VEGF R3, Fc Tag on SDS-PAGE under reducing (R) and no-reducing (NR) conditions.

RELATED PRODUCT:

- Human CellExp™ TNFRSF10B /TRAILR2, human recombinant (Cat. No. 7448-10)
- Human CellExp™ CD155, human recombinant (Cat. No. 7462-10, -50)
- Human CellExp™ CD160/BY55, human recombinant (Cat. No. 7386-10, -50)
- Human CellExp™ CD166/ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.