Human FLT1 D5 Recombinant Protein

RPPB2529

Product Information

Product SKU:
RPPB2529

Accession:
P17948

Host:
Insect Cells.

Protein Information

Protein description:
Soluble FLT1 D1-5 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide containing 562 amino acids and having a molecular mass of 70 kDa. The soluble receptor protein contains only the first 5 extracellular domains, which contain all the information necessary for binding of VEGF.The FLT1 is purified by proprietary chromatographic techniques.

Appearance:
Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:
FLT-1, FLT1, Tyrosine-protein kinase receptor FLT, Flt-1, Tyrosine-protein kinase FRT, Fms-like tyrosine kinase 1, VEGFR-1.

Formulation:
FLT1 D1-5 was lyophilized from a concentrated (1 mg/ml) sterile solution containing no additives.

Purity:
Greater than 90.0% as determined by(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.

Solubility:
It is recommended to reconstitute the lyophilized FLT1 D5 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:
Lyophilized FLT-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FLT1 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Biological Activity:
The activity of FLT1 D5 was determined by its ability to abolish the binding of iodinated VEGF to solid surfaces or cell surfaces. The ED50 for this effect is typically 10 ng/ml, corresponding to a specific activity of 100,000IU/mg. In a 13 day CAM-assay sVEGFR-1 is able to inhibit VEGF stimulated sprouting of capillaries at 30 pM.

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