# Human FLT1 Recombinant Protein

**RPPB2525**

## Product Information

**Product SKU:**
RPPB2525

**Accession:**
P17948

**Host:**
Insect Cells.

## Protein Information

**Protein description:**
Soluble FLT1 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide containing 687 amino acids and having a molecular mass of 96 kDa. The soluble receptor protein contains only the first 6 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 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1xPBS.

**Purity:**
Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**
It is recommended to reconstitute the lyophilized FLT1 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.

**Amino Acid Sequence:**
MVSYWDTGVL LCALLSCLLL TGSSSGSKLK DPELSLKGTQ HIMQAGQTLH LQCRGEAAHK WSLPEMVSKE SERLSITKSA CGRNGKQFCS TLTLNTAQAN HTGFYSCKYL AVPTSKKKET ESAIYIFISD TGRPFVEMYS EIPEIIHMTE GRELVIPCRV TSPNITVTLK KFPLDTLIPD GKRIIWDSRK GFIISNATYK EIGLLTCEAT VNGHLYKTNY LTHRQTNTII DVQISTPRPV KLLRGHTLVL NCTATTPLNT RVQMTWSYPD EKNKRASVRR RIDQSNSHAN IFYSVLTIDK MQNKDKGLYT CRVRSGPSFK SVNTSVHIYD KAFITVKHRK QQVLETVAGK RSYRLSMKVK AFPSPEVVWL KDGLPATEKS ARYLTRGYSL IIKDVTEEDA GNYTILLSIK QSNVFKNLTA TLIVNVKPQI YEKAVSSFPD PALYPLGSRQ ILTCTAYGIP QPTIKWFWHP CNHNHSEARC DFCSNNEESF ILDADSNMGN RIESITQRMA IIEGKNKMAS TLVVADSRIS GIYICIASNK VGTVGRNISF YITDVPNGFH VNLEKMPTEG EDLKLSCTVN KFLYRDVTWI LLRTVNNRTM HYSISKQKMA ITKEHSITLN LTIMNVSLQD SGTYACRARN VYTGEEILQK KEITIRGEHC NKKAVFSRIS KFKSTRNDCT TQSNVKH.

 

**Biological Activity:**

The activity of FLT1 was determined by its ability to inhibit the VEGF(165)-induced proliferation of HUVECs.