

Human FLT1 D3 Recombinant Protein



RPPB5838

Product Information Protein Information

Product SKU:

RPPB5838

Accession:

P17948

Host:

Insect Cells.

Protein description:

FLT1 D1-3 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide containing 327 amino acids and having a molecular mass of 45 kDa. The soluble receptor protein contains only the first 3 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 D1-3 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1xPBS.

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized FLT1 D3 in sterile water not less than 100 µg/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:

SKLKDPELSLKGTHIMQAGQTLHLQCRGEAAHKWSPPEMVSKESERLSI
TKSACGRNGKQFCSTLTLNTAQANHTGFYSCKYLAVPTSKKKETESAIYI
FISDTGRPFVEMYSEIPIIHMTEGRELVIPCRVTSPNITVTLKKFPLDT
LIPDGKRIIWDNRKGFIIISNATYKEIGLLTCEATVNGHLYKTNLYLTHRQT
NTIIDVQISTPRPVKLLRGHTLVNCTATTPLNTRVQMTWSYPDEKNKRA
SVRRRIDQSNSHANIFYSVLTIDKMQNKDKGLYTCRVRSGPSFKSVNTSV HIYDKAFITVKHRKQVLETVAGKRSY.

Biological Activity:

The activity of FLT1D1-3 was determined by its ability to inhibit the VEGF-165-induced proliferation of HUVE cells.