

Vascular Endothelial Growth Factor Receptor-1 D3 Human Recombi-

Item Number	rAP-2111
Synonyms	FLT-1, FLT1, Tyrosine-protein kinase receptor FLT, Flt-1, Tyrosine-protein kinase FRT, Fms-like tyrosine kinase 1, VEGFR-1.
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
Uniprot Accession Number	P17948
Amino Acid Sequence	SKLKDPELSLKGQTQHIMQAGQTLHLQCRGEEAAHKWSLPEMVSKESELSI TKSACGRNGKQFCSTLT-LNTAQANHTGFYSCKYLAVPTSKKKETESAIYI FISDTGRPFVEMYSEIPEIIHMTGRELVIPCRVTSP-NITVTLKKFPLDT LIPDGKRIIWDSRKGFIISNATYKEIGLLTCEATVNGHLYKTNYLTHRQT NTI-IDVQISTPRPVKLLRGHTLVLNCTATTPLNTRVQMTWSYPDEKNKRA SVRRRIDQSNSHANIFYSVLTI-DKMQNKDKGLYTCRVRSGSPFSKSVNTSV HIYDKAFITVKHRKQVLETVAGKRSY.
Source	Insect Cells.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	FLT1 D1-3 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1xPBS. Greater than 90.0% as determined by SDS-PAGE.
Application	
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.
Biological Activity	The activity of FLT1D1-3 was determined by its ability to inhibit the VEGF-165-induced proliferation of HU-VE cells.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**