

Vascular Endothelial Growth Factor Receptor-1 Human Recombinant

Item Number	rAP-2114
Synonyms	FLT-1, FLT1, Tyrosine-protein kinase receptor FLT, Flt-1, Tyrosine-protein kinase FRT, Fms-like tyrosine kinase 1, VEGFR-1.
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
Uniprot Accession Number	P17948
Amino Acid Sequence	MVSYWDTGVL LCALLSCLLL TGSSSGSKLK DPELSLKGQTQ HIMQAGQTLH LQCRGEEAAHK WSLPEMVSKE SERLSITKSA CGRNGKQFCS TLTNLAQAN HTGFYSCKYL AVPTSKKKET ESAIYIFISD TGRPFVEMYS EIPEIHMTE GRELVIPCRV TSPNITVLK KFPLDTLIPD GKRIIWDSRK GFII SNATYK EIGLLTCEAT VNGHLYKTNY LTHRQNTII DVQISTPRPV KLLRGHTLV L NCTATTPLNT RVQMTWSYPD EKNKRASVRR RIDQSNSHAN IFYSVL TIDK MQNKDKGLYT CRVRSGPSFK SVNTSVHIYD KAFITVKHRK QQVLETVAGK RSYRLSMKVK AFPSPEVVWL KDGLPATEKS ARYLTRGYSL IIKDVTEEDA GNYTILLSIK
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 was lyophilized from a concentrated (1mg/ml) sterile solution containing 1xPBS. Greater than 95.0% as determined by SDS-PAGE.
Application	
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.
Biological Activity	The activity of FLT1 was determined by its ability to inhibit the VEGF(165)-induced proliferation of HUVECs.
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**