

## Vascular Endothelial Growth Factor Receptor-1 D1-7 Human Recombi-

<b>Item Number</b>	rAP-2115
<b>Synonyms</b>	FLT-1, FLT1, Tyrosine-protein kinase receptor FLT, Flt-1, Tyrosine-protein kinase FRT, Fms-like tyrosine kinase 1, VEGFR-1.
<b>Description</b>	Soluble FLT1 Human Recombinant fused with the Fc part of human IgG1 produced in baculovirus is disulfide-linked homodimeric, glycosylated, polypeptide containing 751 amino acids and having a molecular mass of 130 kDa. The soluble receptor protein contains only the first 7 extracellular domains (Met1-
<b>Uniprot Accession Number</b>	P17948
<b>Amino Acid Sequence</b>	MVSYWDTGVL LCALLSCLLL TGSSSGSKLK DPELSLKGQTQ HIMQAGQTLH LQCRGEEAAHK WSPPEMVSKE SERLSITKSA CGRNGKQFCS TLTNTAQAN HTGFYSCKYL AVPTSKKKET ESAIYIFISD TGRPFVEMYS EIPEIHMTE GRELVIPCRV TSPNITVLK KFPLDTLIPD GKRIIWDSRK GFIIISNATYK EIGLLTCEAT VNGHLYKTNY LTHRQNTII DVQISTPRPV KLLRGHTLV L NCTATTPLNT RVQMTWSYPD EKNKRASVRR RIDQSNESHAN IFYSVLTIK MQNKDKGLYT CRVRSGPSFK SVNTSVHIYD KAFITVKHRK QQVLETVAGK RSYRLSMKVK AFPSPEVVWL KDGLPATEKS ARYLTRGYSL IIKDVTEEDA GNYTILLSIK
<b>Source</b>	Insect Cells.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized FLT-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution FLT1 should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	FLT1 D1-7 was lyophilized from a concentrated (1 mg/ml) sterile solution containing PBS Buffer, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized FLT1 Fc/Chimera in PBS not less than 50µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	The activity of FLT1/Fc was determined by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells. The ED50 for this effect is typically 10-30 ng/ml, corresponding to a specific activity of 33,333.33-100,000 units
<b>Shipping Format and Condition</b>	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**