

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

<b>Item Number</b>	rAP-2120
<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 Mouse Recombinant fused with the Fc part of human IgG1 produced in baculovirus is disulfide-linked homodimeric, polypeptide containing 965 amino acids. The monomers have a molecular mass of 130 kDa. The soluble receptor protein contains all 7 extracellular domains (Tyr23-Asn757), which contain
<b>Uniprot Accession Number</b>	P35969
<b>Amino Acid Sequence</b>	YGSGLKLVK ELSLKGTHV MQAGQTLFLK CRGEEAHSWS LPTTVSQEDK RLSITPPSAC GRD-NRQFCST LTLDTAQANH TGLYTCRYLP TSTSKKKKAE SSIYIFVSDA GSPFIEMHTD IPKLVHMTEG RQLIIPCRVT SPNVTVTLKK PPFDTLTPDG QRITWDSRRG FIIANATYKE IGLLNCEATV NGHLYQTNLY THRQNTILD VQIRPPSPVR LLHGQTLVLN CTATTELNTR VQMSWNYPGK ATKRASIRQR IDRSHSHNNV FHSVLKINNV ESRDKGLYTC RVKSGSSFQS FNTSVHVYEK GFISVKHRKQ PVQETTA-GRR SYRLSMKVKA FPSPEIVWLK DGSPATLKSA RYLVHGYSLI IKDVTTEDAG DYTILLGIKQ SRLFKNL-
<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. 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 sVEGFR-1/Fc was determined by its ability to inhibit the VEGF-dependent proliferation of human umbilical vein endothelial cells.
<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**