ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Vascular Endothelial Growth Factor Receptor-1 D5 Human Recombi-

Item Number	rAP-2113
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 D1-5 Human Recombinant produced in baculovirus is monomeric, glycosylated, polypeptide containing 562 amino acids and having a molecular mass of 70 kDa. The soluble receptor protein contains only the first 5 extracellular domains, which contain all the information necessary for binding of VEGF.The
Uniprot Accesion Number	P17948
Amino Acid Sequence	
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 D1-5 was lyophilized from a concentrated (1 mg/ml) sterile solution containing no additives. Greater than 90.0% as determined by(a)Analysis by RP-HPLC.(b)Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized FLT1 D5 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity of FLT1 D5 was determined by its ability to abolish the binding of iodinated VEGF to solid surfaces or cell surfaces. The ED50 for this effect is typically 10 ng/ml, corresponding to a specific activity of 100,000IU/mg. In a 13 day CAM-assay
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