

FLT1

Recombinant Human Fms-Related Tyrosine Kinase 1 (aa 783-end) His-Tagged

Catalog No.	CRF116	Quantity:	10 µg
Alternate Names:	FLT, VEGFR1		
Description:	Recombinant human FLT1 containing amino acids 783-end and an N-terminal His tag.		
GenelD:	2321		
Protein Accession No:	NP_002010		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	67.5 kDa		
Formulation:	Liquid in 25 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 0.05% Tween-20 + 50% glycerol + 3 mM DTT		
Specific Activity:	170 U/mg. One unit is defined as the amount of enzyme that will transfer 1 nmol phosphate to the tyrosine substrate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4 + 3 mM MgCl ₂ + 3 mM MnCl ₂ + 1 mM DTT + 3 µM Na-orthovanadate + 0.1 mM ATP + 30 µg/ml Poly (Glu:Tyr)4:1 substrate + 2 µg /ml recombinant FLT1.		
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Stable for 6 months in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

