

## FLT1

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

<b>Catalog No.</b>	CRF116	<b>Quantity:</b>	10 µg
<b>Alternate Names:</b>	FLT, VEGFR1		
<b>Description:</b>	Recombinant human FLT1 containing amino acids 783-end and an N-terminal His tag.		
<b>GenelD:</b>	2321		
<b>Protein Accession No:</b>	NP_002010		
<b>Source:</b>	Baculovirus infected Sf9 cells		
<b>Molecular Weight:</b>	67.5 kDa		
<b>Formulation:</b>	Liquid in 25 mM Tris-HCl, pH 8.0 + 100 mM NaCl + 0.05% Tween-20 + 50% glycerol + 3 mM DTT		
<b>Specific Activity:</b>	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 <sub>2</sub> + 3 mM MnCl <sub>2</sub> + 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.		
<b>Applications:</b>	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.		
<b>Storage &amp; Stability:</b>	Stable for 6 months in working aliquots at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		

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

