

FLT4

Recombinant Human VEGFR3/FLT4 GST-His

Catalog No.	CRV022	Quantity:	50 µg
Alternate Names:	FLT41, LMPH1A, PCL, VEGFR3, vascular endothelial growth factor receptor 3, FLT-4, VEGFR-3, soluble VEGFR3 variant 1, soluble VEGFR3 variant 2, soluble VEGFR3 variant 3, fms-like tyrosine kinase 4, tyrosine-protein kinase receptor FLT4		
Description:	Human VEGF-R3, C-terminal fragment, amino acids N ₇₉₉ -R ₁₂₉₈ (as in GenBank entry NM_002020)*, activated, N-terminal GSTHIS ₆ fusion protein with a Thrombin cleavage site, expressed in Sf9 insect cells *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.151 µg/µl		
Gene ID:	2324		
Protein Accession No:	NM_002019		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 85.565 Da		
Formulation:	50 mM HEPES, pH 7.5 + 100 mM NaCl + 5 mM DTT + 15 mM reduced glutathione, 20% glycerol		
Purification:	GST-Affinity Chromatography		
Product Identity:	VEGF-R3 was confirmed as VEGF-R3 by mass spectroscopy LCESI-MS/MS		
Activation:	<i>in vitro</i> autoactivation		
Specific Activity:	58 pmol/µg×min		

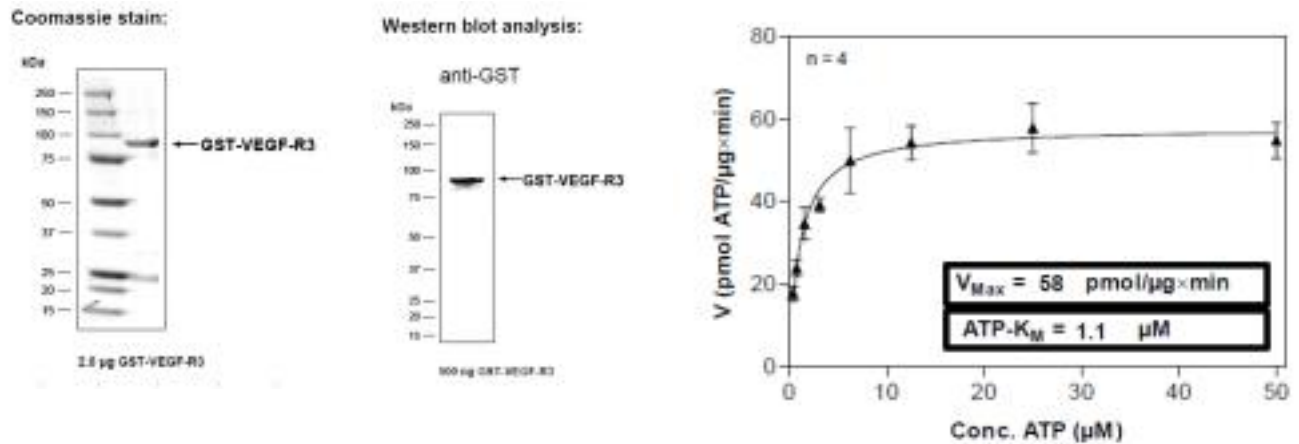
Method for determination of K_m value and specific activity:

- Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM MgCl₂
3 mM MnCl₂
3 µM Na-orthovanadate
1.2 mM DTT
50 µg / ml PEG_{20,000}
ATP (variable)
Substrate: Poly(Glu:Tyr)_{4:1}
(Sigma P-0275), 10 µg / ml
VEGF-R3: 1 µg / ml
- Filter binding assay
MSFC membrane (Millipore)



Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:



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