

# Active Recombinant Mouse Flt4 protein(Met1-Glu775), hFc-tagged

Cat. No. Flt4-281M    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse FLT4 (P35917-1)(Met 1-Glu 775) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
<b>Source</b>	HEK293
<b>Species</b>	Mouse
<b>Tag</b>	C-hFc
<b>Protein length</b>	Met1-Glu775
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	1. Measured by its ability to bind human VEGF-D in functional ELISA. 2. Immobilized human VEGF-C at 10 µg/mL (100 µL/well) can bind mouse VEGFR3-Fc. The EC50 of mouse VEGFR3-Fc is 0.008 µg/mL. 3. Measured by its ability to bind with mouse FIGF-His in a functional ELISA.
<b>Molecular Mass</b>	The secreted recombinant mouse FLT4/Fc chimera is a disulfide-linked homodimer. The reduced monomer consists of 992 amino acids and has a predicted molecular mass of 112 kDa. As a result of glycosylation and proteolytic cleavage, rm FLT4/Fc monomer migrates as three bands (150, 85, 65 kDa) corresponding to the full length and the cleaved two polypeptides respectively in SDS-PAGE under reducing conditions.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method
<b>Purity</b>	> 92 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Flt4 FMS-like tyrosine kinase 4 [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Flt4
<b>Synonyms</b>	FLT4; FMS-like tyrosine kinase 4; vascular endothelial growth factor receptor 3; chylous ascites; receptor protein tyrosine kinase; tyrosine-protein kinase receptor FLT4; vascular endothelial growth factor receptor-3; Chy; Flt-4; VEGFR3; VEGFR-3; AI323512;
<b>Gene ID</b>	14257
<b>mRNA Refseq</b>	NM_008029
<b>Protein Refseq</b>	NP_032055