

Active Recombinant Rat Flt1 protein, His-tagged

Cat. No. Flt1-8712R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Flt1 protein(P53767)(Met1-Glu758), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Met1-Glu758
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to inhibit VEGF-dependent proliferation of human umbilical vein endothelial cells (HUVEC). The ED50 for this effect is typically 15-70ng/mL in the presence of 10 ng/mL rmVEGF164.
Molecular Mass	The recombinant rat FLT1 comprises 747 amino acids and predicts a molecular mass of 84 kDa. The apparent molecular mass of the recombinant protein is approximately 108-114 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage 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.

Reconstitution 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.

GENE INFORMATION

Gene Name [Flt1 FMS-related tyrosine kinase 1 \[Rattus norvegicus \]](#)

Official Symbol [Flt1](#)

Synonyms FLT1; FMS-related tyrosine kinase 1; vascular endothelial growth factor receptor 1; FLT-1; FMS-like tyrosine kinase 1; tyrosine-protein kinase receptor FLT; vascular endothelial growth factor receptor-1; Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor); VEGFR-1;

Gene ID [54251](#)

mRNA Refseq [NM_019306](#)

Protein Refseq [NP_062179](#)

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