

Recombinant Rat Flt1 Protein, His-tagged, Alexa Fluor 647 conjugated

Cat. No. Flt1-8712RAF647 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 647 conjugated recombinant Rat Flt1 (P53767) (Met1-Glu758), fused with a polyhistidine tag at the C-terminus, was produced in Human Cells.
Species	Rat
Source	HEK293
ProteinLength	747
Form	Lyophilized
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.
N-terminal Sequence Analysis	Tyr 23
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 647 via amines

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	Excitation = 650 nm Emission = 668 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 647

GENE INFORMATION

Gene Name	Flt1 FMS-related tyrosine kinase 1 [Rattus norvegicus]
Official Symbol	Flt1
Gene ID	54251
mRNA Refseq	NM_019306
Protein Refseq	NP_062179

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