

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

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

## SPECIFICATION

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

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	Excitation = 650 nm Emission = 668 nm
<b>Stability</b>	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Alexa Fluor 647

## GENE INFORMATION

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

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