

Recombinant Rat Flt1 Protein, His-tagged, Alexa Fluor 555 conjugated

Cat. No. Flt1-8712RAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 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 555 via amines

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With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.

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 555

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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