

# Recombinant Human FLT1 Protein, His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** FLT1-3809HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Alexa Fluor 555 conjugated recombinant human FLT1 (P17948-1) extracellular domain (Met 1-Asn 756), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 741                                                                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | The secreted recombinant human VEGFR1 consists of 741 amino acids with the predicted molecular mass of 83.7 kDa. As a result of glycosylation, rhVEGFR1 migrates as an approximately 110-120 kDa band in SDS-PAGE under reducing conditions.              |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                                                              |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>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. |

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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                                                                                                                                      |
| <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 555                                                                                                                                                           |

## GENE INFORMATION

|                        |                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | FLT1 fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor) [ Homo sapiens ] |
| <b>Official Symbol</b> | FLT1                                                                                                                           |
| <b>Gene ID</b>         | 2321                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_001159920                                                                                                                   |
| <b>Protein Refseq</b>  | NP_001153392                                                                                                                   |
| <b>MIM</b>             | 165070                                                                                                                         |
| <b>UniProt ID</b>      | P17948                                                                                                                         |

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