

Recombinant Human FLT3 Protein, His-tagged

Cat. No. FLT3-151H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human fms related receptor tyrosine kinase 3(FLT3), transcript variant 1(NM_004119), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. This receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular domain, which induces homodimer formation in the plasma membrane leading to autophosphorylation of the receptor. The activated receptor kinase subsequently phosphorylates and activates multiple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differentiation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of this receptor result in acute myeloid leukemia and acute lymphoblastic leukemia.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.278, without any preservatives.
Molecular Mass	112.7 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION
Gene Name

FLT3 fms-related tyrosine kinase 3 [Homo sapiens]

Official Symbol

FLT3

Synonyms

FLT3; fms-related tyrosine kinase 3; receptor-type tyrosine-protein kinase FLT3; CD135; FLK2; STK1; STK-1; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms-like tyrosine kinase 3; stem cell tyrosine kinase 1; growth factor receptor tyrosine kinase type III; FLK-2;

Gene ID

2322

mRNA Refseq

NM_004119

Protein Refseq

NP_004110

MIM

136351

UniProt ID

P36888

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