

Recombinant Human Fms-Related Tyrosine Kinase 3

Cat. No. FLT3-1225H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant humanFLT3 is Expressed in HEK 293 cells.
Species	Human
Source	HEK293
Description	FLT3 Ligand is expressed from human 293cells as a monomeric glycoprotein with an apparent MW 24 to 30 kDa. Thiscytokine is produced in a serum-free, chemically defined media. The molecularmass is a narrower range than reported when this cytokine is expressed ininsect Sf21 cells (17 to 30 kDa), emphasizing the difference in glycosylationin different expression systems.
MolecularWeight	24 to 30 kDamonomer, glycosylated
Purity	> 95% The proteinwas resolved by SDS polyacrylamide gel electrophoresis and the gel wasstained with Coomassie blue.
Endotoxin Level	Endotoxin Free <1EU/ug
Biological Activity	0.2 to 0.8 ng/mL ED50
Storage	The specificactivity was determined by the dose-dependent stimulation of theproliferation of the human acute myeloid leukemia cell line OCI-AML5.

GENE INFORMATION

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Gene Name	FLT3 fms-related tyrosine kinase 3 [Homosapiens]
Official Symbol	FLT3
Synonyms	FLT3; fms-related tyrosinekinase 3; FLK2; STK1; CD135; CD135 antigen; fetal liver kinase 2; FL cytokinereceptor; tal liver kinase 2; stem cell tyrosine kinase 1; FLT3 receptortyrosine kinase; tyrosine-protein kinase receptor FLT3; growth factorreceptor tyrosine kinase type III; C 2.7.10.1; OTTHUMP00000042340; fetalliver kinase 2
Gene ID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888
Chromosome Location	13q12
Pathway	Acute myeloidleukemia; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage;Pathways in cancer
Function	ATP binding; nucleotidebinding; osphoinositide 3-kinase binding; protein binding; receptor activity;transferase activity; vascular endothelial growth factor receptor activity