

## Recombinant Human Fms-Related Tyrosine Kinase 3

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant humanFLT3 is Expressed in HEK 293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>MolecularWeight</b>	24 to 30 kDamonomer, glycosylated
<b>Purity</b>	> 95% The proteinwas resolved by SDS polyacrylamide gel electrophoresis and the gel wasstained with Coomassie blue.
<b>Endotoxin Level</b>	Endotoxin Free <1EU/ug
<b>Biological Activity</b>	0.2 to 0.8 ng/mL ED50
<b>Storage</b>	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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<b>Gene Name</b>	FLT3 fms-related tyrosine kinase 3 [ Homosapiens ]
<b>Official Symbol</b>	FLT3
<b>Synonyms</b>	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
<b>Gene ID</b>	2322
<b>mRNA Refseq</b>	NM_004119
<b>Protein Refseq</b>	NP_004110
<b>MIM</b>	136351
<b>UniProt ID</b>	P36888
<b>Chromosome Location</b>	13q12
<b>Pathway</b>	Acute myeloidleukemia; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage;Pathways in cancer
<b>Function</b>	ATP binding; nucleotidebinding; osphoinositide 3-kinase binding; protein binding; receptor activity;transferase activity; vascular endothelial growth factor receptor activity

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