Recombinant Human Fms-related Tyrosine Kinase 3

Cat. No. FLT3-494H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	Fms-Like tyrosine kinase 3 (FLT3) is a member of the class III tyrosine kinase receptor family, normally expressed in hematopoietic, immune and neural systems. FLT3 is expressed in various lymphohematopoietic cells and tissues, including a series of immature cell lines and leukemias of lymphocytic origin. FLT3 is a promising target for the therapeutic intervention for acute leukemias, particularly acute myeloid leukemia (AML) which are severe and aggressive malignancy.
Molecular Weight	The predicted molecular weight of Recombinant Human Flt-3 is Mr 85.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 120 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	FLT3 fms-related tyrosine kinase 3 [Homo sapiens]
Synonyms	FLT3; fms-related tyrosine kinase 3; FLK2; STK1; CD135; FLT3; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; stem cell tyrosine kinase 1; FLT3 receptor tyrosine kinase; tyrosine-protein kinase receptor FLT3; growth factor receptor tyrosine kinase type III
Gene ID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888
Chromosome Location	13q12
Pathway	Cytokine-cytokine receptor interaction; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Pathways in cancer
Function	ATP binding; nucleotide binding; phosphoinositide 3-kinase binding; protein binding; receptor activity; transferase activity; vascular endothelial growth factor receptor activity

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