Recombinant Human FLT3, GST-His

Cat. No. FLT3-688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Flt-3 fused at the N-terminus to a GST-His6 thrombin cleavage site sequence was expressed in*S. frugiperda*insect cells using a baculovirus expression system. MW = 82076 Da.
Species	Human
Source	S.frugiperda
Description	Flt-3 belongs to the class III receptor tyrosine kinase family that is closely related to c-Kit and c-Fms. It is expressed in primitive hematopoietic cells and its ligand exerts proliferative effects on these cells in vitro in cooperation with other cytokines. Flt-3 is also expressed in the placenta, testis, spleen, thymus, bone marrow, brain and in cerebellar Purkinje cells.
Form	Liquid. In 100 mM NaCl, 50 mM Tris-HCl, 15 mM reduced glutathione, 5 mM DTT, 20% glycerol, pH 8.0. Please refer to vial label for lot-specific concentration.
Unit Definition	One unit is defined as the amount of enzyme required to transfer 1 nmol phosphate to Poly(Glu,Tyr)4:1 per min at 30°C, using variable concentrations of ATP (0.1-12.6 μM).
Specific Activity	≥28 U/mg protein.
Toxicity	Standard Handling (MSDS available upon request).
Storage	≤ -70°C. Avoid freeze/thaw Following initial thaw, aliquot and freeze (-70°C).

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GENE INFORMATION

Gene Name	FLT3 fms-related tyrosine kinase 3 [Homo sapiens]
Synonyms	FLT3; fms-related tyrosine kinase 3; FLK2; STK1; CD135; CD135 antigen; fetal liver kinase 2; FL cytokine receptor; tal liver kinase 2; stem cell tyrosine kinase 1; FLT3 receptor tyrosine kinase; tyrosine-protein kinase receptor FLT3; growth factor receptor tyrosine kinase type III; C 2.7.10.1; OTTHUMP00000042340; fetal liver kinase 2
Gene ID	2322
mRNA Refseq	NM_004119
Protein Refseq	NP_004110
MIM	136351
UniProt ID	P36888
Chromosome Location	13q12
Pathway	ute myeloid leukemia; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Pathways in cancer
Function	ATP binding; nucleotide binding; osphoinositide 3-kinase binding; protein binding; receptor activity; transferase activity; vascular endothelial growth factor receptor activity

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