

Recombinant Human FLT3 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. FLT3-088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FLT3 MS Standard C13 and N15-labeled recombinant protein (NP_004110) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	112.7 kDa
AA Sequence	MPALARGGGQLPLLVVFSAMIFGTITNQDLPVIKCVLINHKNNDSSVGKSSSYPMVSE SPEDLGALRPQSSGTVYEAAAVEVDVSASITLQVLVDAPGNISCLWVFKHSSLNCQ PHFDLQNRGVVSMVILKMTETQAGEYLLFIQSEATNYTILFTVSIRNTLLYTLRRPYFR KMENQDALVCISESVPEPIVEWVLCDSQGESCKEESPAVVKKEEKVLHELFGMDIRC CARNELGRECTRLFTIDLNQTPQTTLPQLFLKVGEPLWIRCKAVHVNHGFGLTWELE

 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

NKALEEGNYFEMSTYSTNRTMIRILFAFVSSVARNDTGYYTCSSSKHPSQSALVTIVE
 KGFINATNSSEIDQYEEFCFSVRFKAYPQIRCTWTFSRKSFPCQKGLDNGYSI
 SKFCNHKHQPGEYIFHAENDDAQFTKMFTLNIRRPQVLAEASASQASCFSGDGYPL
 PSWTWKKCSDKSPNCTEEITEGVWNRKANRKFVFGQWVSSSTLNMSEAIKGLVLC
 CAYNSLGTSCETILLNSPGPFPIQDNISFYATIGVCLLFIVVLTLLICHKYKKQFRYES
 QLQMVQVTGSSDNEYFYVDFREYEDLKWEFPRENLEFGKVLGSGAFGKVMNATA
 YGISKTGVSIVAVKMLKEKADSSEREALMSELKMMTQLGSHENIVNLLGACTLSGPI
 YLIFEYCCYGDLLNYLRSKREKFHRTWTEIFKEHNFSFYPTFQSHPNSSMPGSREVQ
 IHPDSDQISGLHGNSFHSEDEIEYENQKRLEEEEDLNVLTFEDLLCFAYQVAKGMEFL
 EFKSCVHRDLAARNVLVTHGKVVKICDFGLARDIMSDSNYVVRGNARLPVKWMAPE
 SLFEGIYTIKSDVWSYGILLWEIFSLGVNYPYPGIPVDANFYKLIQNGFKMDQPFYATEE
 IYIIMQSCWAFDSRKRPSFPNLTSFLGCQLADAEAMYQNVDGRVSECPHTYQNR
 PFSREMDLGLLSPQAQVEDSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [FLT3 fms related receptor tyrosine kinase 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [FLT3](#)

 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

Synonyms

FLT3; fms related receptor tyrosine kinase 3; CD135; FLK-2; FLK2; STK1; receptor-type tyrosine-protein kinase FLT3; CD135 antigen; FL cytokine receptor; fetal liver kinase 2; fms related tyrosine kinase 3; fms-like tyrosine kinase 3; growth factor receptor tyrosine kinase type III; stem cell tyrosine kinase 1; EC 2.7.10.1

Gene ID

2322

mRNA Refseq

NM_004119

Protein Refseq

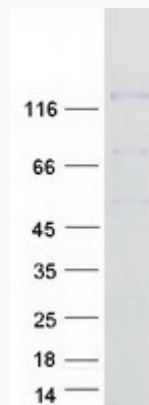
NP_004110

MIM

136351

UniProt ID

P36888

SDS-PAGE


 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