

Recombinant Mouse FMS-like Tyrosine Kinase 3

Cat. No. Flt3-500M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Mammalian Cells
ProteinLength	28-544 aa
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 Mouse Flt-3 is Mr 85 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 116 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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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.

GENE INFORMATION

Gene Name	Flt3 FMS-like tyrosine kinase 3 [Mus musculus]
Synonyms	Flt3; FMS-like tyrosine kinase 3; Flk2; Ly72; CD135; Flk-2; Flt-3; MGC124377; MGC124378; B230315G04; OTTMUSP00000022189; EC 2.7.10.1
Gene ID	14255
mRNA Refseq	NM_010229
Protein Refseq	NP_034359
UniProt ID	Q00342
Chromosome Location	5 G3; 5 82.0 cM
Pathway	Acute myeloid leukemia; Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; Pathways in cancer
Function	ATP binding; kinase activity; nucleotide binding; phosphoinositide 3-kinase binding; protein binding; protein kinase activity ; protein tyrosine kinase activity; receptor activity; transferase activity; transmembrane receptor protein tyrosine kinase activity

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