

Active Recombinant Mouse Flt3l Protein

Cat. No. Flt3l-4372M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Flt3l (P49772, 144 amino acids) partial recombinant protein expressed in Escherichia coli.
Species	Mouse
Source	E.coli
Description	FMS-like tyrosine kinase 3 ligand (FLT3L) is an endogenous small molecule that functions as a cytokine and growth factor that increases the number of immune cells (lymphocytes (B cells and T cells)) by activating the hematopoietic progenitors. It acts by binding to and activating FLT3 (CD135) which is found on what (in mice) are called multipotent progenitor (MPP) and common lymphoid progenitor (CLP) cells. It also induces the mobilization of the hematopoietic progenitors and stem cells in vivo which may help the system to kill cancer cells.
Form	Lyophilized
Bio-activity	Determined by its ability to generate CD11c+ splenic dendritic cells in vivo in C57B1/6 mice (female, approx. 12 weeks old). To obtain the desired affect, mice were treated with approximately 25 µg of flt3-ligand once daily for 9 consecutive days
Molecular Mass	16.4 kDa
Endotoxin	< 0.1 ng/µg

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Purity	>= 98% by SDS-PAGE and HPLC
Applications	Functional Study SDS-PAGE
Storage	Store at -20 centigrade on dry atmosphere. After reconstitution with sterilized water, store at -20 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	No additive
GENE INFORMATION	
Gene Name	Flt3l FMS-like tyrosine kinase 3 ligand [Mus musculus (house mouse)]
Official Symbol	Flt3l
Synonyms	Flt3l; FMS-like tyrosine kinase 3 ligand; Ly72L; Flt3lg; fms-related tyrosine kinase 3 ligand; flt3 ligand
Gene ID	14256
mRNA Refseq	NM_013520
Protein Refseq	NP_038548

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