

Recombinant Mouse FMS-like Tyrosine Kinase 3 Ligand

Cat. No. Flt3l-188M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Mouse

Source Mammalian Cells

Description Fms-related tyrosine kinase 3 ligand (FLT3LG) is a hematopoietic four helical bundle cytokine. It is structurally homologous to stem cell factor (SCF) and colony stimulating factor 1 (CSF-1). In synergy with other growth factors, such as IL-7 and IL-3, Flt-3 ligand promotes long-term expansion and differentiation of human pro-B-cells. Flt3 ligand is a cytokine capable of inducing large numbers of dendritic cells that dramatically enhances the sensitivity of antigen-specific B and T cell responses to systemic injection of a soluble protein. Through a CD40-CD40 ligand-dependent mechanism Flt-3 Ligand influences the class of antibody produced and enables productive immune responses.

State Of Matter Lyophilized.

Purity >97% by SDS Page and analyzed by silver stain.

Endotoxin <1.0 EU/g as determined by the LAL method.

Molecular Weight The predicted molecular weight of Recombinant Mouse Flt3-Ligand is Mr 18 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 18-32 kDa.

 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

Storage And Stability

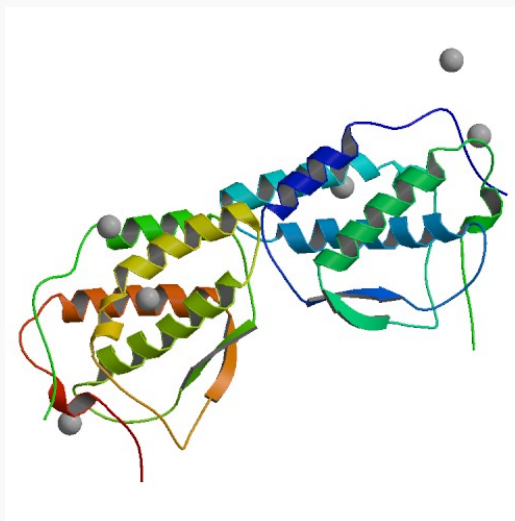
This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	Flt3l FMS-like tyrosine kinase 3 ligand [Mus musculus]
Synonyms	Flt3l; FMS-like tyrosine kinase 3 ligand; Ly72L; Flt3lg; Flt3l
Gene ID	14256
mRNA Refseq	NM_013520
Protein Refseq	NP_038548
UniProt ID	P49772
Chromosome Location	7 B2-C; 7 23.0 cM
Function	cytokine activity; kinase activity; protein homodimerization activity; receptor tyrosine kinase binding; receptor tyrosine kinase binding

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