Active Recombinant Porcine FLT-3 Ligand Protein

Cat. No. FLT3-97P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porcine FLT-3 Ligand Protein without tag was expressed in E. coli.
Species	Porcine
Source	E.coli
Description	Fms-related tyrosine kinase 3 ligand (FLT-3 ligand) is a growth factor that regulates hematopoietic cell proliferation. FLT-3 ligand signaling is transmitted through the fms-related tyrosine kinase 3 (FLT-3) receptor. FLT-3 ligand promotes the long-term expansion and differentiation of pro-B cells in the presence of interleukin 7 (IL-7) or in combination of IL-7 and interleukin 3 (IL-3).
Bio-activity	OCI-AML5 cell proliferation, ED50≤5 ng/mL
Molecular Mass	Monomer, 17.3 kDa (with 155 amino acids)
AA Sequence	MSPDCSFPHSPISSTFANTIRQLSDYLLQDYPVTVASNLQDDELCGAFWRLVLAQR WMGQLKTVAGSQMQKLLEAVNTEIVFVTSCALQPLPSCLRFVQANISHLLQDTSQQL VALKPWITRRNFSRCLELQCQPDPSTLLPPRSPGALEATSLP
Endotoxin	≤1 EUs/μg, Kinetic LAL (50% confidence)
Purity	≥95%, Reducing and Non-Reducing SDS PAGE
Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied.

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	1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20 centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
Reconstitution	Sterile water at 0.1 mg/mL
Shipping	Room temperature
Instructions	Centrifuge vial before opening. Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	FLT3 fms-related tyrosine kinase 3 [Sus scrofa (pig)]
Official Symbol	FLT3
Synonyms	FLT3; fms-related tyrosine kinase 3;
Gene ID	100515445
mRNA Refseq	XM_021065521
Protein Refseq	XP_020921180

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UniProt ID	D2K7D6

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