FLT3LG
Porcine FLT-3 Ligand

Catalog No.	CRF161A	**Quantity:**	25 µg
	CRF161B		100 µg
	CRF161C		1 mg

Alternate Names: Flt3L, Fms-related tyrosine kinase 3 ligand, Flt3 ligand

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).

GeneID: 100322867

UniProt ID: D2K7D6

Source: *E.coli*

Molecular Weight: Monomer, 17.3 kDa (with 155 amino acids)

Formulation: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5

Purity: ≥ 95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 1 EUs/µg by Kinetic LAL

Biological Activity: ED_{50} ≤ 5 ng/ml, determined by OCI-AML5 cell proliferation.

Specific Activity: ≥ 2.0×10^5 units/mg

Amino Acid Sequence: MSPDCSFPHS PISSTFANTI RQLSDYLLQD YPVTVASNLQ DDELCGAFWR LVLAQRWMGQ LKTVAGSQMQ KLLEAVNTEI VFVTSCALQP LPSCLRFVQA NISHLLQDTS QQLVALKPWI TRRNFSRCLE LQCQPDPSTL LPPRSPGALE ATSLP

Reconstitution: **Centrifuge vial before opening.** Add sterile water at 0.1 mg/ml. 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.

Storage & Stability: Store as supplied at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. It is recommended that a carrier protein such as 0.1% HSA or BSA is added for long term storage.
Avoid repeated freeze-thaw cycles.

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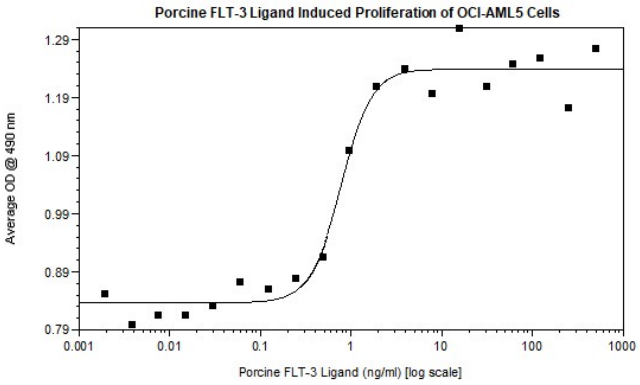

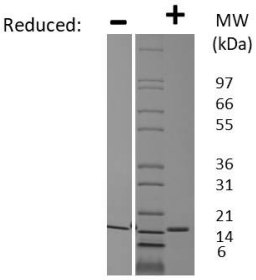

Porcine FLT-3 Ligand Gel

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Porcine FLT-3 Ligand is predicted to have a MW of 17.3 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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