

Active Recombinant Pig FLT3LG Protein (Ser30-Leu205), C-His tagged, Animal-free, Carrier-free

Cat. No. FLT3LG-04P Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Pig FLT3LG Protein (Ser30-Leu205) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Pig
Source	E.coli
ProteinLength	Ser30-Leu205
Description	Fms-related tyrosine kinase-3 ligand (Flt-3 Ligand) is a protein as an important regulator of hematopoiesis, Flt-3 ligand has a tyrosine-protein kinase activity that stimulate the proliferation of hematopoietic progenitor cells of both lymphoid and myeloid origin. Flt-3 ligand can synergistically increase the proliferation of immature progenitors with other cytokines such as GM-CSF, G-CSF, IL-3, EPO, IL-11, IL-12, IL-6 or TPO. Flt-3 ligand is expressed by a variety of hematopoietic progenitor cells including immature hematopoietic and marrow stromal cells.
Form	Lyophilized
Bio-activity	Measure by its ability to induce proliferation in OCI-AML5 cells. The ED50 for this effect is < 5 ng/mL.
Molecular Mass	The protein has a calculated MW of 20.4 kDa. The protein migrates as 17 kDa under reducing condition (SDS-PAGE analysis).

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Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

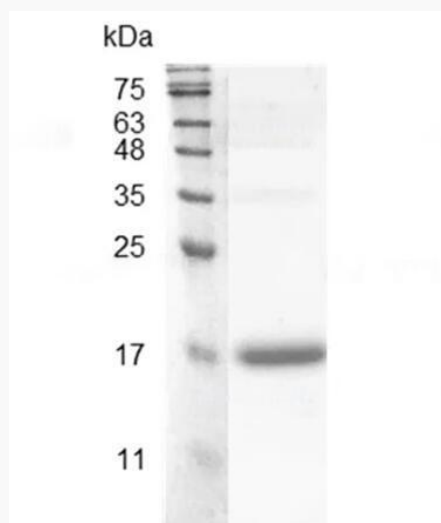
Gene Name	FLT3LG fms-related tyrosine kinase 3 ligand [<i>Sus scrofa</i>]
Official Symbol	FLT3LG
Synonyms	FLT3LG; fms-related tyrosine kinase 3 ligand;
Gene ID	100322867
UniProt ID	D2K7D6

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**SDS-PAGE analysis
of recombinant
swine Flt-3 Ligand.**



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