ARG70209
Pig FLT3 Ligand recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

Product Description	E. coli expressed, His-tagged (C-ter) Active Pig FLT3 Ligand recombinant protein
Tested Reactivity	Pig
Tested Application	SDS-PAGE
Target Name	FLT3 Ligand
Species	Pig
A.A. Sequence	Ser30 - Leu205
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to induce proliferation in OCI-AML5 cells. The ED50 for this effect is less than 5 ng/mL.
Alternate Names	FLT3L; SL cytokine; Fms-related tyrosine kinase 3 ligand; Flt3L; Flt3 ligand; FL

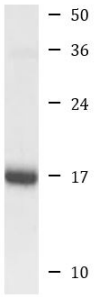
Properties

Form	Powder
Purification Note	Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FLT3LG
Gene Full Name	fms-related tyrosine kinase 3 ligand
Background	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
Function	Stimulates the proliferation of early hematopoietic cells by activating FLT3. Synergizes well with a number of other colony stimulating factors and interleukins. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Secreted. [UniProt]

Images



Pig FLT3
Ligand recombinant protein

ARG70209 Pig FLT3 Ligand recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70209 Pig FLT3 Ligand recombinant protein (Active) (His-tagged, C-ter).