Recombinant human Flt3 ligand/FLT3LG protein

Catalog Number: ATGP3272

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
27-184aa

UniProt No.
P49771

NCBI Accession No.
NP_001450

Alternative Names
FLT3LG, Flt3 ligand, Flt3L, FL, SL cytokine, fms related receptor tyrosine kinase 3 ligand

PRODUCT SPECIFICATION

Molecular Weight
19kDa (166aa)

Concentration
0.5mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 95% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
FLT3LG, also known as fms-related tyrosine kinase 3 ligand, is an alpha-cytokine that promotes the differentiation of multiple hematopoietic cell lineages. Also, this protein acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. FLT3LG is crucial for steady-state pDC and cDC development. It controls the development of DCs and is particularly important for plasmacytoid DCs

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and CD8-positive classical DCs and their CD103-positive tissue counterparts. Recombinant human FLT3LG, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

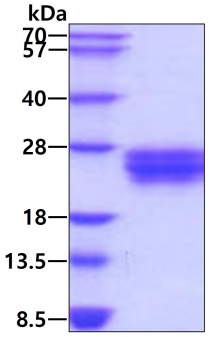
TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPWSPRPLEA TAPTAPQP<LE HHHHHH>

General References

Klein O., et al. (2013) Eur. J. Immunol. 43(2):533-539.
Nakamori Y., et al. (2012) Br. J. Haematol. 157(6):674-686.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain