

Fms-related tyrosine kinase 3 ligand, 27-184aa, Human, His tag, Insect cell

Cat.NO.: TP02140

3th Edition

Synonyms:FLT3LG, Flt3 ligand, Flt3L, FL, SL cytokine

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 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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:19.0kDa (166aa), 18-28kDa (SDS-PAGE under reducing conditions.)

Sequences:

TQDCSFQHSPISDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKTIVAGSKMQGLLERV
NTEIHFVTKCAFQPPPSCLRFVQTNISRLLQETSEQLVALKPWITRQNFRCLELQCQPDSSTLPPPWSRPLEATA
PTAPQPLEHHHHHH

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.