

Flt-3 Ligand/FL/FLG3L/FLT3L, Human, Recombinant

Cat. No. : PCK353

General Information

Synonyms	FL;FLG3L;FLT3L
Species	Human
Expression host	E.coli
Sequence	MTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLQDEELCGGLWRLVLAQRWMERLKT VAGSKMQGLLERVNTIEHFVTKCAFQPPPSCLRFVQTNISRLQETSEQLVALKPWITRQNFSR CLELQCQPDSSTLPPPWSRPLEATAPTA with polyhistidine tag at the C-terminus.
Accession	P49771
Tag	His-tag at the C-terminus
Mol mass	18.6 kDa
Expiration date	12 months
Bio activity	Measure by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The ED50 for this effect is < 0.8 ng/mL. The specific activity of recombinant human Flt-3 Ligand is > 1.5 × 10 ⁶ IU/mg.

Product feature

Purity	> 95% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

Fms-related tyrosine kinase 3 ligand (FLT3LG) is a protein which in humans is encoded by the FLT3LG gene. FLT3 ligand is a receptor for the fl cytokine has a tyrosine-protein kinase activity & a growth factor that regulates proliferation of early hematopoietic cells. Flt3-Ligand synergizes with other CSFs and interleukins to induce growth and differentiation.

SDS-PAGE

