

Flt3 Ligand Human Recombinant

Catalogue Number	IY-331
Synonyms	Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.
Introduction	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.
Patent Rights	The sale and/or commercial use of Recombinant Adiponectin is prohibited in the United States of America (U.S.A).
Description	Flt3-Ligand Human Recombinant produced in E.Coli is a non-glycosylated, polypeptide chain containing 155 amino acids and having a molecular mass of approximately 17.6kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.
Source	Escherichia Coli.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	The protein was lyophilized with no additives.
Solubility	It is recommended to reconstitute the lyophilized Flt3-L in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Stability	Lyophilized Flt3-Ligand although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Flt3-Ligand should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Purity	Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Amino Acid Sequence	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLETSE QLVALKPWIT RQNFRCLEL QCQPDSSTLP PPWSPRPLEA TAPTA.
Biological Activity	The ED ₅₀ as calculated by the dose-dependent stimulation of the proliferation of human AML5 cells is less than 1.0 ng/ml, corresponding to a Specific Activity of 1.0×10 ⁶ IU/mg.
Usage	Products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.