ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Flt3-Ligand Human Recombinant, HEK derived

Item Number	rAP-0424
Synonyms	Fms-related tyrosine kinase 3 ligand, FLK2, STK1, CD135, Stem Cell Tyrosine Kinase 1, FLT3LG, Flt3.
Description	Flt3-Ligand Human Recombinant produced in HEK293 cells is a glycosylated, polypeptide chain, migrates as a diffuse band on SDS-PAGE due to heterogeneous glycosylation at 30kDa. Flt3-Ligand is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P49771
Amino Acid Sequence	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGGLWRL VLAQRWMERL KTVAG-SKMQG LLERVNTEIH FVTKCAFQPP PSCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSSTLP PPWSPRPLEA TAPTAPQP.
Source	HEK293 (Human Embryonic Kidney cell line).
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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).
Formulation and Purity	The protein was lyophilized with no additives. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Flt3-Ligand in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose dependent proliferation of human OCI-AML5 cells is 0.5 to 1.0 ng/ml (Specific Activity: 2.0 x 1,000,000 – 1.0 x 1,000,000 units/mg).
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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