

## Product datasheet for DA3543S

### Flt3 ligand Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Flt3 ligand human protein, 2 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	TQDCSFQHSP ISSDFAVKIR ELSDYLLQDY PVTVASNLQD EELCGG LWRL VLAQRWMERL KTVAGSKMQG LLERVNTEIH FVTKCAFQPP P SCLRFVQTN ISRLLQETSE QLVALKPWIT RQNFSRCLEL QCQPDSS TLP PPWSPRPLEA TAPTA
<b>Predicted MW:</b>	17.6 kDa
<b>Purity:</b>	>98% by RP-HPLC, Anion-exchange FPLC, Silverstain
<b>Buffer:</b>	Presentation State: Purified State: Lyophilized (freeze-dried) without stabilizer
<b>Bioactivity:</b>	Biological: Human rh Flt3-ligand is fully biologically active when compared to standards. The ED50 range is 0.5-1.0 ng/ml corresponding to a specific activity of 1-2MUnits/mg, calculated by the dose-dependant stimulation of the proliferation of Human OCMI-AML5 cells.
<b>Endotoxin:</b>	< 0.1 ng per µg (IEU/µg) of rh Flt3-Ligand
<b>Reconstitution Method:</b>	Recombinant Flt3-Ligand is soluble in water and most aqueous buffers. Restore in water to a concentration not less than 0.1 mg/ml. This solution can then be stored at 2-8°C for future use or diluted into other buffered solutions. Further dilutions should be made into buffer containing carrier protein or medium containing serum.
<b>Preparation:</b>	Lyophilized (freeze-dried) without stabilizer
<b>Protein Description:</b>	Flt3-ligand produced in E. coli is a soluble non-glycosylated 17.6 kDa polypeptide containing 155 amino acid residues which comprises the extracellular domain of the transmembrane flt3-ligand protein.
<b>Storage:</b>	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>RefSeq:</b>	<a href="#">NP_001191431</a>
<b>Locus ID:</b>	2323
<b>UniProt ID:</b>	<a href="#">P49771</a>
<b>Cytogenetics:</b>	19q13.33
<b>Synonyms:</b>	SL cytokine, FLT3LG, Flt3L
<b>Summary:</b>	Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts (summary by Sathaliyawala et al., 2010 [PubMed 20933441]).[supplied by OMIM, Jan 2011]
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Hematopoietic cell lineage, Pathways in cancer