

Store at -20C #49812	Human FLT3L Recombinant Protein	
	10 µg	
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MW (kDa):	UniProt ID:	Entrez-Gene Id:
18	#P49771	2323
Background	FLT3L is produced by T cells and stromal fibroblasts (1,2). FLT3L targets many cell types, including hematopoietic stem cells, B cells, T cells, dendritic cells, and NK cells (1,2). FLT3L, in combination with other factors, stimulates differentiation and proliferation of hematopoietic multipotent progenitors and promotes proliferation of NK cells and dendritic cell subsets. There are two splice variants of FLT3L. Both the integral membrane and soluble splice variants are biologically active (1). Binding of FLT3L to its cognate tyrosine kinase receptor, FLT3, activates STAT3 and STAT5 (1,3). FLT3L is being tested for its ability to stimulate anti-tumor immune response via stimulation of dendritic and NK cells.	
Endotoxin	Endotoxin levels are less than or equal to 1 EU / 1 µg hFLT3L.	
Purity	A greater than or equal to 95% purity was determined by SDS-PAGE.	
Source / Purification	Recombinant human FLT3L was expressed in <i>E. coli</i> and is supplied in a lyophilized form.	
Bioactivity	The bioactivity of recombinant hFLT3L was determined in an OCI-AML5 cell proliferation assay. The ED ₅₀ of each lot is less than or equal to 10 ng/ml.	
Background References	1. Dong, J. et al. (2002) <i>Cancer Biol Ther</i> 1, 486-9. 2. Wodnar-Filipowicz, A. (2003) <i>News Physiol Sci</i> 18, 247-51. 3. Onai, N. et al. (2006) <i>J Exp Med</i> 203, 227-38.	

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