Bioactive CellTx™ Sm Size

FLT3LG (Human) Recombinant Protein

Catalog # P9951 Size 100 ug, 20 ug

Specification

Regulatory Status	RUO grade
Product Description	Human FLT3LG recombinant protein with His tag at the C-terminus expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	Calculated MW: 18.6
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.1 EU/ug
Activity	The ED_{50} for this effect is < 0.8 ng/mL, measured by its ability to induce proliferation in BaF3 cells transfected with mouse Flt-3. The specific activity of recombinant human Flt-3 Ligand is > 1 x 10^8 IU/mg.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 8.0. Reconstitute the lyophilized protein in sterile H_2O to a concentration of at least 200 ug/mL and incubate the stock solution for at least 20 min to ensure sufficient redissolution. Please use the protein within one month after reconstitution.
Storage Instruction	Store at -20°C for 12 months in lyophilized state. After reconstitution with deionized water, store at -20 or -80°C for 1 month. Aliquot to avoid repeated freezing and thawing.

Applications

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- Functional Study
- SDS-PAGE

Gene Info — FLT3LG

Entrez GeneID	2323
Gene Name	FLT3LG
Gene Alias	FL
Gene Description	fms-related tyrosine kinase 3 ligand
Omim ID	600007
Gene Ontology	Hyperlink
Other Designations	-

Pathway

- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- Pathways in cancer

Disease

- Genetic Predisposition to Disease
- Ovarian Neoplasms

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