

FLT3LG Protein, Rat (sf9, His)

Cat. No.:	HY-P74150
Synonyms:	Fms-related tyrosine kinase 3 ligand; Flt3 Ligand; Flt3L; SL Cytokine; FLT3LG
Species:	Rat
Source:	Sf9 insect cells
Accession:	NP_001292868 (T28-Q189)
Gene ID:	103691134
Molecular Weight:	Approximately 19.7 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris, 300 mM NaCl, pH 7.5, 10% Glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The FLT3LG protein is predicted to possess identical protein binding activity and receptor tyrosine kinase binding activity. It plays a role in the positive regulation of natural killer cell proliferation and is anticipated to be located in the cell surface and extracellular space, serving as an intrinsic component of the external side of the plasma membrane. This protein has been utilized in the study of pancreatic cancer. In the context of human diseases, orthologs of this gene are implicated in colon carcinoma, glioblastoma, and high-grade glioma. The FLT3LG gene is orthologous to the human FLT3LG gene (fms related receptor tyrosine kinase 3 ligand). [provided by Alliance of Genome Resources, Apr 2022]
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Caution: Product has not been fully validated for medical applications. For research use only.

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