

Datasheet for ABIN6699876

FLT3LG Protein**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	FLT3LG
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Mouse Flt-3 Ligand Recombinant Protein
Purification:	Flt-3 Ligand purity was determined to be greater than 98% as determined by analysis by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose-dependent proliferation of mouse AML5 cells and is typically 5-8 ng/mL.

Target Details

Target:	FLT3LG
Alternative Name:	Flt3lg (FLT3LG Products)
Background:	Synonyms: FLT3 L, Fms-related tyrosine kinase 3 ligand Background: FMS-related Tyrosine Kinase 3 Ligand (FLT-3 Ligand) is a growth factor important

Target Details

for the proliferation of hematopoietic cells. FLT-3 Ligand binds to, and transmits signals through, the receptor tyrosine kinase known as FMS-like Tyrosine Kinase-3 (FLT-3). FLT-3 Ligand promotes long-term expansion and differentiation of human pro-B cells in the presence of IL-7 or in combination of IL-7 and IL-3. Human FLT-3 Ligand can stimulate the proliferation of cells expressing murine FLT-3 receptors. Recombinant mouse FLT-3 Ligand is a non-glycosylated protein, containing 163 amino acids, with a molecular weight of 18.6 kDa.

UniProt: [P49772](#)

Pathways: [RTK Signaling](#)

Application Details

Application Notes:	Other: User Optimized Application_Note: Flt-3 Ligand Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti- Flt-3 Ligand in immunological assays.
Comment:	Suggested_Applications: Cellular Assay, IHC, WB Other_Performance_Data:
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Concentration:	0.1 mg/mL
Buffer:	Buffer: 0.01 M Sodium Phosphate, pH 7.5 Stabilizer: None
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -20° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each

Handling

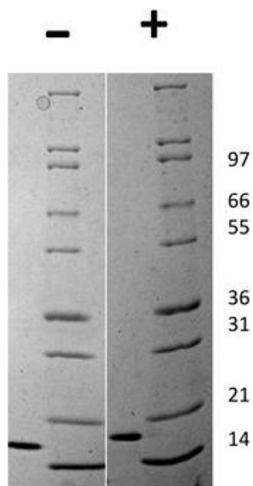
opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.

Expiry Date: 6 months

Publications

Product cited in: Turnis, Kaminska, Smith, Kartchner, Vogel, Laxton, Ashmun, Ney, Opferman: "Requirement for antiapoptotic MCL-1 during early erythropoiesis." in: **Blood**, Vol. 137, Issue 14, pp. 1945-1958, (2021) ([PubMed](#)).

Images



SDS-PAGE

Image 1. SDS-PAGE of Mouse Flt-3 Ligand Recombinant Protein. Lane 1: 1 µg Mouse Flt-3 Ligand in non-reducing conditions. Lane 2: Molecular weight marker. Lane 3: 1 µg Mouse Flt-3 Ligand in reducing conditions (+). Lane 4: Molecular weight marker. Mouse FLT-3 Ligand has a predicted MW of 18.6 kDa.