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Recombinant human Flt-3 Ligand Protein(His Tag)

Catalog Number: PDMH100328

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Species human

Source Mammalian-derived Human Flt-3 Ligand proteins Thr27-Pro184, with an C-terminal His

Calculated MW17.3 kDaObserved MW25-35 kDaAccessionP49771

Bio-activity Not validated for activity

Properties

Purity > 90% as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU/mg of the protein as determined by the LAL method

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

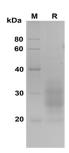
ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of

0.5 mg/mL. Concentration is measured by UV-Vis.

Data



SDS-PAGE analysis of Human Flt-3 Ligand proteins, 2 µg/lane of Recombinant Human Flt-3 Ligand proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 25-35 KD

Background

FLT3L, also known as flt3 ligand, is a small molecule that acts as a growth factor that increases the number of immune cells by activating the hematopoietic progenitors. In vivo, FLT3L also induces the mobilization of the hematopoietic progenitors and stem cells. This may help the system to kill cancer cells. Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3L controls the development of DCs and is particularly important for plasmacytoid DCs and CD8-positive classical DCs and their CD103-positive tissue counterparts.

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