

Recombinant Human CD5L Protein

Catalog No.: RP00198

Sequence Information

Species Gene ID

Human 922

Swiss Prot Tags

O43866 C-His

Synonyms

CD5L,AIM,API6,CT-2,PRO229,SP-ALPHA,Spalpha,hAIM

Product Information

Source Purification

HEK293 cells ≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

36.90 kDa 40–45 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1–0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CD5L (CD5 antigen-like), also known as Sp alpha and AIM, is a 50 kDa secreted glycoprotein that belongs to the SRCR (scavenger receptor cysteine rich) group B family of proteins. CD5L is up-regulated in macrophages at inflammatory sites. It sustains inflammatory reactions by both increasing the phagocytic capacity of macrophages and impeding the apoptosis of local macrophages, NK cells, and T cells. CD5L functions as a pattern recognition molecule by binding both lipoteichoic acid (LTA) on Gram positive and lipopolysaccharide (LPS) on Gram negative bacteria. In the thymic cortex, CD5L protects cortical CD4+CD8+thymocytes from apoptosis. CD5L circulates in the serum in complex with IgM.

Basic Information

Description

Recombinant Human CD5L Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser20–Gly347) of human CD5L/API6 (Accession #NP_005885.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

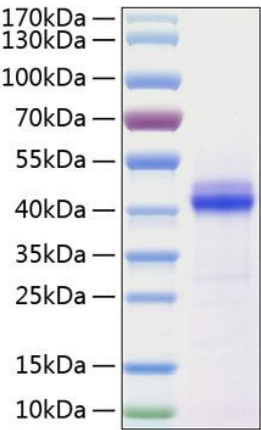
Contact

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Validation Data



Recombinant Human CD5L Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.