# **Recombinant Mouse CD5L Protein**



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Catalog No.: RP03564 Recombinant

### **Sequence Information**

**Species** Gene ID **Swiss Prot** Mouse 11801 090WK4

**Tags** 

C-His

**Synonyms** 

Cd5l; Aim; Api6;CD5 antigen-like;SPalpha

### **Product Information**

**Purification** Source HEK293 Cells > 95% as

determined by Bis-as determined by **HPLC** 

Calculated MW Observed MW

37.7 kDa 45-60 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

### **Formulation**

Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

#### Reconstitution

Dissolve the lyophilized protein in distilled water.

### Contact

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## **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 Mouse CD5L Protein is produced by HEK293 Cells system. The target protein is expressed with sequence (Glu22-Val352) of Mouse CD5L (Accession #NP 033820.2) fused with His tag at the C-Terminus..

### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

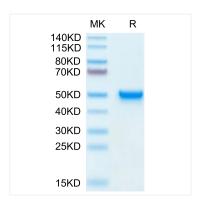
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

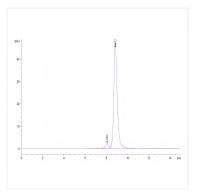
#### **Operational Notes**

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

# **Validation Data**



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



The purity of Mouse CD5L is greater than 95% as determined by SEC-HPLC.