Recombinant Mouse CD5 Protein

Catalog No.: RP01500 `Recombinant`

Sequence Information

Species
Mouse

Gene ID
12507

Swiss Prot
P13379

Tags
C-His

Synonyms
LEU1;T1;CD5

Product Information

Source
HEK293 cells

Purification
> 95% by SDS-PAGE.

Calculated MW
38.63 kDa

Observed MW
50-60 kDa

Endotoxin
<0.1EU/μg

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

CD5, also known as Leu-1, Ly-1, and T1, is a 67 kDa transmembrane glycoprotein in the scavenger receptor superfamily. Members of this family are secreted or membrane-anchored proteins mainly found in cells associated with the immune system. This protein is a type-I transmembrane glycoprotein found on the surface of thymocytes, T lymphocytes and a subset of B lymphocytes. The encoded protein contains three SRCR domains and may act as a receptor to regulate T-cell proliferation.

Basic Information

Description
Recombinant Mouse CD5 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ser25-Pro371) of mouse CD5/Lyt1 (Accession #NP_031676.3) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage
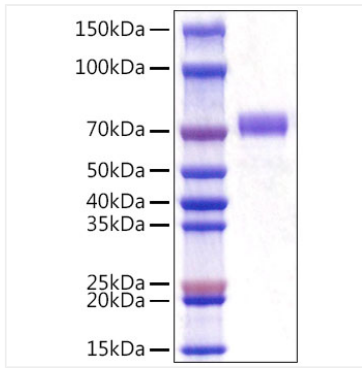Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data

Recombinant Mouse CD5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 50-60kDa.