

Mouse COLEC10 Protein (Fc Tag)

Catalog Number: 50189-M01H



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

CLL1; CL-L1

Protein Construction:

A DNA sequence encoding the mouse COLEC10 (Q8CF98) (Cys119-Lys277) was expressed with the Fc region of human IgG1 at the N-terminus.

Source: Mouse

Expression Host: Human Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Glu

Molecular Mass:

The recombinant mouse COLEC10/Fc is a disulfide-linked homodimer. The reduced monomer comprises 419 amino acids and has a predicted molecular mass of 47 kDa. The apparent molecular mass of the protein is approximately 53 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

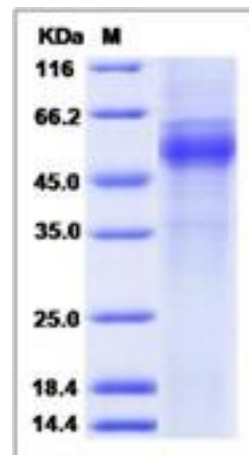
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

COLEC10 is a member of the C-lectin family. Members of this family possess collagen-like sequences and carbohydrate recognition domains. The other members of this family are secreted proteins and bind to carbohydrate antigens on microorganisms facilitating their recognition and removal. This gene product is a cytosolic protein, a characteristic that suggests that it may have different biological functions than other C-lectins.

References

- 1.Ohtani K., *et al.*,(1999), Molecular cloning of a novel human collectin from liver (CL-L1). J. Biol. Chem. 274:13681-13689.
- 2.Clark H.F., *et al.*, (2003), The secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a bioinformatics assessment.Genome Res. 13:2265-2270.
- 3.Ota T., *et al.*,(2004), Complete sequencing and characterization of 21,243 full-length human cDNAs.Nat. Genet. 36:40-45.

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