

Mouse MDL-1/CLEC5A Protein, Ultra Low Endotoxin

Cat. No. CLE-MM25A-UL

Description

| | |
|-------------------------|--|
| Source | Recombinant Mouse MDL-1/CLEC5A Protein is expressed from HEK293 with hFc (IgG1) tag at the N-Terminus. It contains Tyr26-Lys190. |
| Accession | Q9R007-3 |
| Molecular Weight | The protein has a predicted MW of 46.2 kDa. Due to glycosylation, the protein migrates to 64-68 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 0.01 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

Formulation and Storage

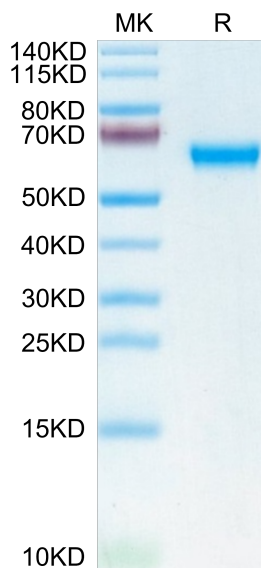
| | |
|-----------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

Background

In *C. elegans*, increased lifespan in daf-2 insulin/IGF-1 receptor mutants is accompanied by up-regulation of the MDL-1 Mad basic helix-loop-helix leucine zipper transcription factor. MDL-1, like its mammalian orthologs, is an inhibitor of cell proliferation and growth that slows progression of an age-related pathology in *C. elegans* (uterine tumors). In addition, intestine-limited rescue of mdl-1 increased lifespan but not to wild type levels. Thus, mdl-1 likely acts both in the intestine and the germline to influence age-related mortality.

Assay Data

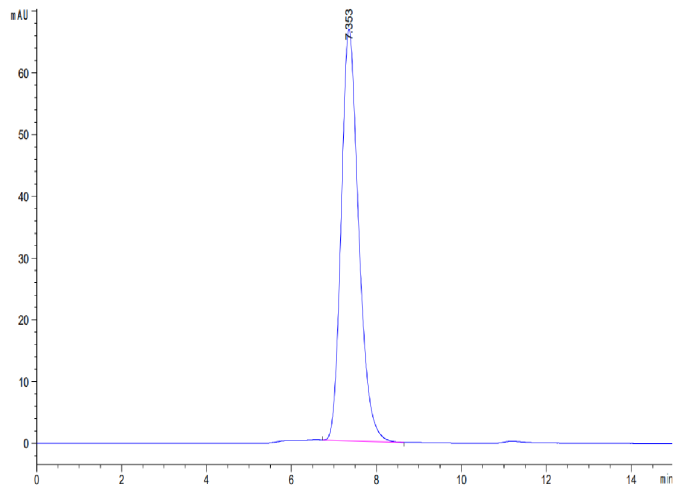
Bis-Tris PAGE



Mouse MDL-1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse MDL-1 is greater than 95% as determined by SEC-HPLC.