

Mouse MDL-1/CLEC5A Protein, Ultra Low Endotoxin

Cat. No. CLE-MM15A-UL

Description

Source	Recombinant Mouse MDL-1/CLEC5A Protein is expressed from HEK293 with His tag at the N-terminus. It contains Tyr26-Lys190.
Accession	Q9R007-3
Molecular Weight	The protein has a predicted MW of 19.94 kDa. Due to glycosylation, the protein migrates to 35-45 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

Formulation and Storage

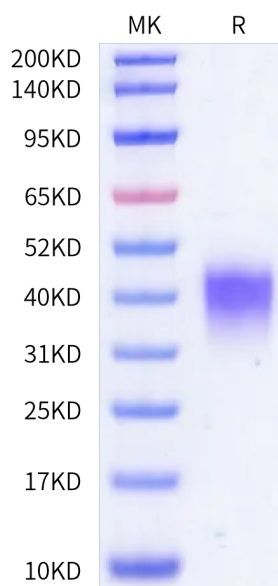
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 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%.