Human MIF Protein

Cat. No. MIF-HM101

Description

Source	Recombinant Human MIF Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Pro2-Ala115.
Accession	P14174
Molecular Weight	The protein has a predicted MW of 13.44 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

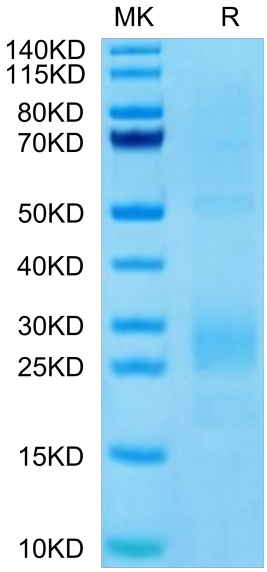
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for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

Macrophage migration inhibitory factor (MIF) is a pleiotropic cytokine with chemokine-like functions that increasingly is being studied in different aspects of cardiovascular disease. MIF was first identified as a proinflammatory and pro-survival mediator within the immune system, and a second structurally related MIF family member, D-dopachrome tautomerase (a.k.a. MIF-2), was reported recently.

Assay Data

Bis-Tris PAGE



Human MIF on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.