
Product Data Sheet

Product Name: MIF Mouse
 Cat. No.: GP20746
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Macrophage migration inhibitory factor; MIF; Delayed early response protein 6; DER6; Glycosylation-inhibiting factor; GIF; L-dopachrome isomerase; L-dopachrome tautomerase; Phenylpyruvate tautomerase; Glif.		
Amino Acid Sequence	MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTNDPCALC SLHSIGKIGG AQNRNYSKLL CGLLSDRLHI SPDRVYINYY DMNAANVGWN GSTFA.		
Solubility	It is recommended to reconstitute the lyophilized MIF in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a 0.2µm filtered solution containing 1mM sodium phosphate, pH 7.5.		

Introduction

The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration.

Stability

Lyophilized MIF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution MIF should be stored at 4°C between 2-7 days and for future use below -18°C . For long term storage it is recommended to add a

Caution: Product has not been fully validated for medical applications. For research use only.

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carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

MIF Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 115 amino acids and having a molecular mass of 12.5kDa. The MIF is purified by proprietary chromatographic techniques.

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