

---

## Product Data Sheet

---

Product Name: MIF Human, GST  
 Cat. No.: GP20745  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrophage Migration Inhibitory Factor(Glycosylation-Inhibiting Factor); Phenylpyruvate Tautomerase; L-DopachromeTautomerase; L-Dopachrome Isomerase; GLIF; MMIF; GIF; MacrophageMigration Inhibitory Factor; Glycosylation-Inhibiting Factor; EC 5.3.3.12; EC5.3.2.1; Macrophage migration inhibitory factor.		
Amino Acid Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEE HLYERDEGDK WRNKKFELGLEFPNLPYYID GDVKLTQSMA IIRYADKHNMLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTHPDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPOID KYLKSSKYIA WPLQGWQATF GGGDHPKSDLVPRGSPEFAMPFIVNTNV PRASVPDGF SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGGAQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA.		
Formulation	MIF protein solution (1mg/ml) containing PhosphateBuffered Saline (pH7.4) and 10% glycerol.		

### 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

Store at 4°C if entire vial will be used within 2-4 weeks. Store. frozen at -20°C for longer

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

## Product Data Sheet

---

periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

MIF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 345 amino acids (1-115 a.a) and having a molecular mass of 39.2kDa. MIF is fused to a 230 amino acid GST-tag at N-terminus & purified by proprietary chromatographic techniques.

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

**Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com**

**Address: 10292 Central Ave. #205, Montclair, CA, USA**