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## Product Data Sheet

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Product Name: MIF Human His N  
 Cat. No.: GP20743  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phenylpyruvate tautomerase; Glycosylation-inhibiting factor; GIF; MMIF; MIF.		
Amino Acid Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC LHSIGKIGGA QNRSYSKLLC GLLAERLRIS PDRVYINYYD MNAANVGWNN STFA.		
Formulation	1mg/ml solution containing PBS pH-7.4.		

### 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

Liquid MIF although stable 4°C for 1 week, should be stored below -18°C . Please prevent freeze-thaw cycles.

### Background

MIF human Recombinant, fused to His-tag at N-terminus, was cloned into an E. coli expression vector and was purified to apparent homogeneity by using conventional column chromatography techniques. Macrophage Inducing Factor Human Recombinant is a single, non-glycosylated, polypeptide chain having amino acids from 1-114 and having a molecular mass of 16.6 kDa.

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

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