



## Product Datasheet

<b>Product Name</b>	Macrophage Migration Inhibitory Factor Human, Recombinant His Tag N-Terminus
<b>Cata No</b>	CB500333
<b>Source</b>	<i>Escherichia Coli</i> .
<b>Synonyms</b>	Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.

### Description

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. 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.

### Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

### Formulation

1mg/ml solution containing PBS pH-7.4.

### Stability

Liquid MIF although stable 14°C for 1 week, should be stored desiccated below -18°C.

**Please prevent freeze-thaw cycles.**

### Sequence

**MRGSHHHHHHGMASMTGGQQMGRDLYDDDDK**

**DRWGS**MPPMFIVNTNV PRASVPDGFL

SELTQQLAQA TGKPPQYIAV HVVPDQLMAF

GGSEPCALC LHSIGKIGGA QNRSYSKLLC

GLLAERLRIS PDRVYINYYD MNAANVGWNN

STFA.