

## MIF Human His N

**Description:** 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.

**Catalog #:** CYPs-438

For research use only.

**Synonyms:** Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.

**Source:** Escherichia Coli.

**Amino Acid Sequence:**

MRGSHHHHHHGMASMTGGQMGRLDYDDDDKDRWGSMPMFIVNTNV PRASVPDGFL  
SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC LHSIGKIGGA QNRSYSKLLC  
GLLAERLRIS PDRVYINYD MNAANVGWNN STFA.

**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 4°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

The cytokine Macrophage Migration Inhibitor (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.

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