

## MIF Human

**Description:** MIF human Recombinant 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 containing 115 amino acids and having a molecular mass of 12 kDa.

**Catalog #:** CYP5-582

For research use only.

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

**Source:** Escherichia Coli.

**Amino Acid Sequence:** MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV  
HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY  
DMNAANVGWN NSTFA.

**Purity:** Greater than 98.0% as determined by SDS-PAGE.

**Formulation:**

1mg/ml solution containing 50mM Tris-HCl pH-8, 0.5mM DTT & 10% glycerol.

**Stability:**

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

**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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