

## 32-1599: MIF His C Recombinant Protein

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

### Description

Source : Escherichia Coli. MIF human Recombinant, fused to His-tag at C-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 containing 123 amino acids and having a molecular mass of 13.5 kDa. 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.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Content :</b>	Human MIF was lyophilized from a 1mg/ml solution containing PBS pH-7.4.
<b>Storage condition :</b>	Lyophilized MIF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Amino Acid :</b>	MPMFIVNTNVPASVDPDGFSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHLSIGKIGGAQNR SYSKLLCGLLAERLRISPDRVYINYYDMNAANVGWNNSTFALEHHHHHH.

### Application Note

It is recommended to reconstitute the lyophilized MIF in sterile 18M $\Omega$ -cm H<sub>2</sub>O not less than 100 $\Omega$ µg/ml, which can then be further diluted to other aqueous solutions. Measured by its ability to bind rhCD74 in a functional ELISA.