



Macrophage Migration Inhibitory Factor, human recombinant, His Tag (rHuMIF-His-N)

Catalog No: 94975
Lot No: XXXXX
Source: *E. coli*
Synonyms: Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF

Background

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.

Description

MIF human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain, amino acids 1-114, having a molecular mass of 16.6 kDa. MIF is fused to a His tag at N-terminus and purified by proprietary chromatographic techniques.

Formulation

1 mg/ml solution containing PBS pH 7.4.

Stability

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

Purity

Greater than 95.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMPMF IVNTNVPRAS VPDGFLSELT QQLAQATGK PPQYIAVHVV
PDQLMAFGGS SEPCALCLHS IGKIGGAQNR SYSKLLCGLL AERLRISPDR VYINYDMNA ANVGWNNST FA

Usage

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