

Product information

MIF, 1-115 aa

Human, Recombinant, *E.coli*

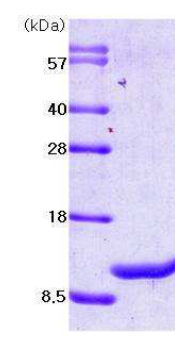
Cat. No. IBMIF0801

Full name: Macrophage migration inhibitory factor

NCBI Accession No.: NP_002406

Synonyms: Glycosylation inhibiting factor (GIF), GLIF, MMIF

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. Recombinant human MIF was expressed in *E.coli* and purified by conventional chromatography techniques.

<p>Form: Liquid. In 50 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT 10% glycerol</p> <p>Molecular Weight: 12 kDa (115 aa), confirmed by MALDI-TOF</p> <p>Purity: > 98% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	
<p>Sequences of amino acids: MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA</p>	

General references:

Weiser WY., *et al.* (1989) *Proc Natl Acad Sci.* 86: 7522-26.

Bernhagen J., *et al.* (1994) *Biochemistry.* 33: 14144-55.

Bucala R., *et al.* (1996) *FASEB J* 10: 1607-1613.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.