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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Macrophage Migration Inhibitory Factor, human recombinant (rHuMIF)

Catalog No: 99848
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 containing 115 amino acids and having a molecular mass of 12 kDa. MIF is purified by proprietary chromatographic techniques.

Formulation

1 mg/ml solution containing 50 mM Tris-HCl pH 8, 0.5 mM DTT and 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.

Purity

Greater than 98.0% as determined by SDS-PAGE.

Amino Acid Sequence

MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL
CGLLAERLRI SPDRVYINY DMNAANVGWN NSTFA

Usage

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