

## Murine MIF

Synonyms: Macrophage migration inhibitory factor, MIF, Delayed early response protein 6, DER6, Glycosylation-inhibiting factor, GIF, L-dopachrome isomerase, L-dopachrome tautomerase, Phenylpyruvate tautomerase, Glif.

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
5 µg	1701.960.005		
20 µg	1701.960.020		
1 mg	1701.960.199		

Please enquire for bulk quantities and other vial sizes

### Description

Recombinant Murine MIF produced in *E. Coli* is a single, non-glycosylated polypeptide chain containing 115 amino acids and with a molecular mass of 12.5kDa.

- **Source** *E. Coli*
- **Purity** ≥ 95 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Sodium phosphate (1mM, pH 7.5)\*
- **Physical state** Sterile filtered, lyophilized

### Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

### Stability

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 avoid repeated freeze-thaw cycles.**

### Amino Acid Sequence

MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTNDPCALC SLHSIGKIGG  
AQNRNYSKLL CGLLSDRLHI SPDRVYINYY DMNAANVGWN GSTFA

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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