Human MIF

Synonyms: Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
25 µg	1701.950.010		
100 µg	1701.950.100		
1 mg	1701.950.199		

Please enquire for bulk quantities and other vial sizes.

Description

MIF human Recombinant 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 115 amino acids and having a molecular mass of 12.5 kDa.

- **Source** *E. coli*
- **Purity** ≥ 97 % (SDS-PAGE, RP-HPLC)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** MIF-Protein was lyophilized from 10mM sodium phosphate buffer pH -7.5*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

Human PBMCs were cultured with 0 to 1000ng/ml Human MIF. Production of IL-8 was measured via ELISA after 24 hours. The ED_{50} which was found to be 88-132ng/ml.

Reconstitution

It is recommended to reconstitute the lyophilized MIF-Protein in sterile 18MO-cm H_2O at a concentration between 0.1 mg-1 mg per 1 ml.

Stability

Lyophilized MIF-protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIF-protein 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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). Please avoid repeated freeze-thaw cycles.

Amino Acid Sequence

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MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG
AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA
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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.

ORDERING
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