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AR51921PU-S Human MIF (1-115, His-tag) - Purified

Alternate names: GLIF, Glycosylation-inhibiting factor, MMIF, Macrophage migration inhibitory factor,

Phenylpyruvate tautomerase

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by bradford assay)

Background: MIF also known as 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.

Uniprot ID: P14174

NCBI: <u>NP 002406</u>

Species: Human
Source: E. coli

Format: State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Phosphate Buffered Saline(pH7.4) containing 10% glycerol.

Description: Recombinant human MIF, fused to GST-tag at N-terminus, was expressed in E.coli and

purified by using conventional chromatography techniques.

AA Sequence:

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSPEFA MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG

AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA **Molecular weight:** 39.2 kDa (345aa) confirmed by MALDI-TOF

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

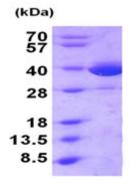
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Bernhagen J., et al (1994) Biochemistry. 33: 14144-55. Bucala R., et al. (1996) FASEB J

10: 1607-13.



Pictures:



15% SDS-PAGE (3ug)