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AR51911PU-S Mouse MIF (1-115, His-tag) - Purified

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

Phenylpyruvate tautomerase

Quantity: 0.1 mg

Concentration: 0.5 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, antiinflammatory steroid concentration. Recombinant mouse Mif, fused to His-tag at Nterminus, was expressed in E.coli and purified by using conventional chromatography

techniques

Uniprot ID: <u>P34884</u>

NCBI: <u>NP 034928</u>

GeneID: 17319
Species: Mouse
Source: E. coli

Format: State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Phosphate buffered saline containing 10% glycerol, 1mM DTT.

Description: AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMPMFIVN TNVPRASVPE GFLSELTQQL AQATGKPAQY IAVHVVPDQL MTFSGTNDPC ALCSLHSIGK IGGAQNRNYS KLLCGLLSDR LHISPDRVYI

NYYDMNAANV GWNGSTFA

Molecular weight: 14.9 kDa (138aa) 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.

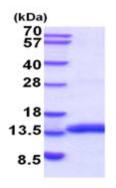
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Miyatake S., et al. (2014) Biochem. Biophys. Res. Commun. 444 (4), 496-501 Muller I.,

et al. (2013) J. Biol. Chem. 288 (44), 31635-31645



Pictures:



15% SDS-PAGE (3ug)