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# Recombinant mouse MIF protein

Catalog Number: ATGP3091

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-115aa

#### **UniProt No.**

P34884

#### **NCBI Accession No.**

NP 034928

#### **Alternative Names**

Macrophage migration inhibitory factor, GIF, Glif

# PRODUCT SPECIFICATION

### **Molecular Weight**

14.9 kDa (138aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

### **Description**

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. Recombinant mouse Mif, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques



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# **Amino acid Sequence**

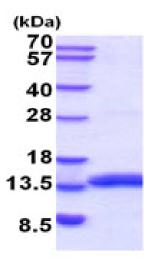
MGSSHHHHHH SSGLVPRGSH MGSMPMFIVN TNVPRASVPE GFLSELTQQL AQATGKPAQY IAVHVVPDQL MTFSGTNDPC ALCSLHSIGK IGGAQNRNYS KLLCGLLSDR LHISPDRVYI NYYDMNAANV GWNGSTFA

#### **General References**

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

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

