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

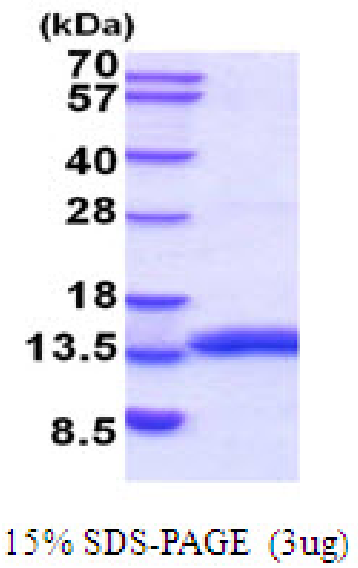
MGSSHHHHHH SSGLVPRGSH MGSMPMFIVN TNVPRASVPE GFLSELTQQL AQATGKPAQY IAVHVVPDQL MTFSGTNDPC ALCSLHSIGK IGGAQNRNYS KLLCGLLSDR LHISPDRVYI NYYDMNAANV GWNGSTFA

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.