Recombinant human MIF protein

Catalog Number: ATGP3101

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-115aa

UniProt No.
P14174

NCBI Accession No.
NP_002406

Alternative Names
Macrophage migration inhibitory factor, GIF, GLIF, MMIF

PRODUCT SPECIFICATION

Molecular Weight
39.2 kDa (345aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
GST-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 human MIF, fused to GST-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Recombinant human MIF protein

Catalog Number: ATGP3101

Amino acid Sequence

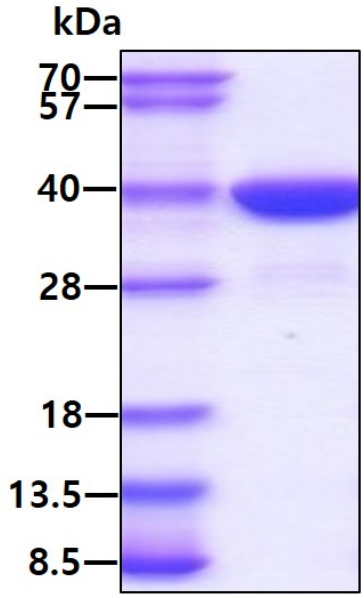
<MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD LVPRGSPEFA> MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF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

General References

Bernhagen J., et al (1994) Biochemistry. 33: 14144-55.
Bucala R., et al. (1996) FASEB J 10: 1607-13.

DATA

SDS-PAGE



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