Recombinant human MIF protein

Catalog Number: MIF0801

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-115aa

UniProt No.
P14174

NCBI Accession No.
NP_002406

Alternative Names
Macrophage migration inhibitory factor, GLIF, MMIF, MIF, EC 5.3.2.1, Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, Macrophage migration inhibitory factor, macrophage migration inhibitory factor (glycosylation-inhibiting factor),

PRODUCT SPECIFICATION

Molecular Weight
12 kDa (115aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 50mM Tris-HCl buffer (pH 8.0) containing 0.5mM DTT 10% glycerol

Purity
> 98% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
Non-Tagged

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
The cytokine 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

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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 was expressed in E. coli and purified by conventional chromatography techniques

Amino acid Sequence

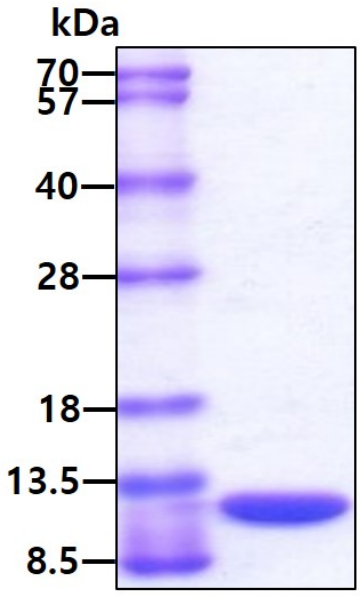
MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA

General References

Weiser WY., et al. (1989) Proc Natl Acad Sci. 86: 7522-26.
Bernhagen J., et al. (1994) Biochemistry. 33: 14144-55.
Bucala R., et al. (1996) FASEB J 10: 1607-1613.

DATA

SDS-PAGE



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