GFM78AF Recombinant Mouse MIF (Animal-Free)

Description

Migration Inhibitory Factor (MIF) is a pro-inflammatory lymphokine that functions during cell-mediated immmunity. MIF promotes fibroblast migration by inducing interleukin-1 (IL-1), interleukin-8 (IL-8), and matrix metalloproteinase (MMP) expression. In interferon-γ-activated macrophages, MIF stimulates nitric oxide (NO) production and Tumor Necrosis Factor α (TNF-α) secretion.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

Length	115 aa
Molecular Weight	12.5 kDa
Source	E. coli
Accession Number	P34884
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

Specifications

Alternative Names	Migration Inhibitory Factor, GIF, phenylpyruvate tautomerase, glycosylation-inhibiting factor, L-dopachrome tautomerase
Biological Activity	Activity to be determined.
Endotoxin Level	≤1.00 EU/µg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5
AA Sequence	MPMFIVNTNV PRASVPEGFL SELTQQLAQA TGKPAQYIAV HVVPDQLMTF SGTNDPCALC SLHSIGKIGG AQNRNYSKLL CGLLSDRLHI SPDRVYINYY DMNAANVGWN GSTFA

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.