9051 Mira Mesa Blvd, #910094
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MIF Human

Macrophage Migration Inhibitory Factor Human Recombinant
GRF0262

Product Overview

Name	MIF Human
Description	
Macrophage Migration Inhibitory Factor Human Recombinant	
Accession (Primary)	P14174
Synonyms	
Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.	
Introduction	
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 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
1mg/ml solution containing 50mM Tris-HCl pH-8, 0.5mM DTT & 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by SDS-PAGE.	
Amino acid sequence	
MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA.	
References	
Title: Macrophage migration inhibitory factor regulates proliferation of gastric cancer cells via the PI3K/Akt pathway Publication: WJG 15.44 (2009): 5541 . Link: MIF prospec publication	

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Precautions

MIF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14174)