

Recombinant Mouse Mif Protein, Myc/DDK-tagged

Cat. No. Mif-4073M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length macrophage migration inhibitory factor (glycosylation-inhibiting factor) (Mif), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity.
Molecular Mass	12.5 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Mif macrophage migration inhibitory factor (glycosylation-inhibiting factor) [Mus musculus (house mouse)]

Official Symbol Mif

Synonyms MIF; macrophage migration inhibitory factor; DER6; L-dopachrome isomerase; L-dopachrome tautomerase; phenylpyruvate tautomerase; glycosylation-inhibiting factor; delayed early response protein 6; GIF; Glif; MGC107654

Gene ID 17319

mRNA Refseq NM_010798

Protein Refseq NP_034928

UniProt ID P34884

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