

Recombinant Mouse Mif Protein, His-tagged

Cat. No. Mif-125M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse macrophage migration inhibitory factor (Mif) with C-terminal His tag, expressed in E.coli.
Species	Mouse
Source	E.coli
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	13.4 kDa
AA Sequence	PMFIVNTNVPRASVPEGFLSELTQQLAQATGKPAQYIAVHVVPDQLMTFSGTNDPCA LCSLHSIGKIGGAQNRNYSKLLCGLLSDRLHISPDRVYINYYDMNAANVGWNGSTFA LEHHHHHH
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (< 1 EU/g)
Purity	>95%, as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage	Store at -80 centigrade.
Storage Buffer	Lyophilized from a 0.2 M filtered solution of PBS,pH 7.4
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	Mif macrophage migration inhibitory factor (glycosylation-inhibiting factor) [<i>Mus musculus</i> (house mouse)]
Official Symbol	Mif
Synonyms	Mif; macrophage migration inhibitory factor (glycosylation-inhibiting factor); GIF; DER6; Glif; macrophage migration inhibitory factor; L-dopachrome isomerase; L-dopachrome tautomerase; delayed early response protein 6; phenylpyruvate tautomerase; EC 5.3.2.1; EC 5.3.3.12
Gene ID	17319
mRNA Refseq	NM_010798
Protein Refseq	NP_034928
UniProt ID	P34884

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