

Recombinant Mouse Mif Protein, His-tagged

Cat. No. Mif-7286M **Lot. No.** (See product label)

SPECIFICATION

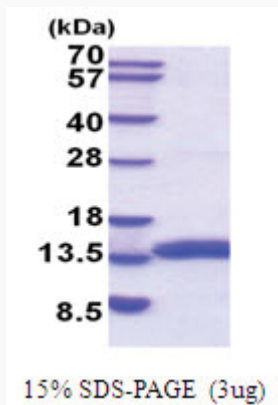
Product Overview	Recombinant Mouse Mif protein with a His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	1-115
Description	Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role 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.
Form	Liquid
Molecular Mass	14.9 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSMFIVNTNVPRASVPEGFLSELTQQLAQATG KPAQYIAVHVVPDQLMTFSGTNDPCALCSLHSGIKIGGAQNRNYSKLLCGLLSDRLHI SPDRVYINYYDMNAANVGWNGSTFA
Purity	> 90 % by SDS-PAGE

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Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by bradford assay)
Storage Buffer	Phosphate buffered saline containing 10 % glycerol, 1 mM DTT.
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 (glycosylation-inhibiting factor); GI; 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

SDS-PAGE

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