GMP Recombinant Mouse Mif Protein, His-Tagged

Cat. No. Mif-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP Recombinant Mouse Mif Protein, His-Tagged was expressed in Escherichia coli cell-derived in an animal component free process under cGMP guidelines.
Species	Mouse
Source	E.coli
Description	Enables cytokine activity; phenylpyruvate tautomerase activity; and protease binding activity. Involved in several processes, including negative regulation of apoptotic process; positive regulation of macromolecule metabolic process; and regulation of signal transduction. Acts upstream of or within DNA damage response, signal transduction by p53 class mediator; cell aging; and regulation of cell population proliferation. Located in extracellular space. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; respiratory system; and sensory organ. Human ortholog(s) of this gene implicated in allergic disease; asthma; cystic fibrosis; lung disease (multiple); and obesity. Orthologous to human MIF (macrophage migration inhibitory factor).
Form	Lyophilized
AA Sequence	MPMFIVNTNVPRASVPEGFLSELTQQLAQATGKPAQYIAVHVVPDQLMTFSGTNDP CALCSLHSIGKIGGAQNRNYSKLLCGLLSDRLHISPDRVYINYYDMNAANVGWNGST FA with polyhistidine tag at the C-terminus
Endotoxin	<0.1 EU per 1

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	μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis. Purified by Ni-NTA chromatography.
Notes	Please use within one month after protein reconstitution.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

GENE INFORMATION

Gene Name	Mif macrophage migration inhibitory factor (glycosylation-inhibiting factor) [Mus musculus (house mouse)]
Official Symbol	Mif
Synonyms	GIF; DER6; Glif
Gene ID	17319
mRNA Refseq	NM_010798.3
Protein Refseq	NP_034928.1
UniProt ID	P34884

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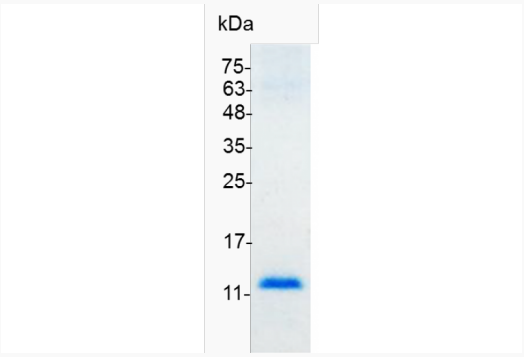

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