

MIF active protein

Recombinant Mouse MIF

CATALOG #
AAA214327

HOST
E Coli

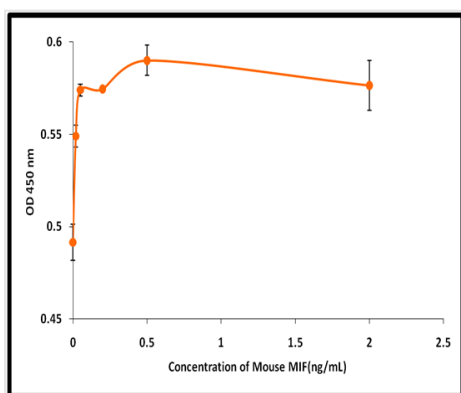
PRODUCT SYNONYMS

MIF; Recombinant Mouse MIF; EC=5.3.2.1; Delayed early response protein 6; DER6; Glycosylation-inhibiting factor; GIF; L-dopachrome isomerase; L-dopachrome tautomerase; EC=5.3.3.12; Phenylpyruvate tautomerase; Recombinant Mouse Macrophage Migration Inhibitory Factor (MIF); MIF active protein

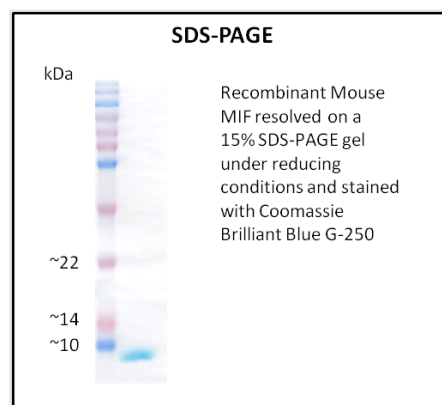
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution PBS pH 7.4.
Sequence Length	115
Bioactivity	The ED(50) was determined by the dose-dependent proliferation of HTB9 cells and was found to be <0.5ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method.
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for MIF active protein

Macrophage Migration Inhibitory Factor (MIF) is a proinflammatory cytokine which is 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754696
NCBI GeneID	17319
NCBI Accession #	NP_034928.1
NCBI GenBank Nucleotide #	NP_034928.1
UniProt Accession #	P34884
Molecular Weight	15.0 kDa
NCBI Official Full Name	macrophage migration inhibitory factor
NCBI Official Synonym Full Names	macrophage migration inhibitory factor (glycosylation-inhibiting factor)
NCBI Official Symbol	Mif
NCBI Official Synonym Symbols	GIF; DER6; Glif
NCBI Protein Information	macrophage migration inhibitory factor
UniProt Protein Name	Macrophage migration inhibitory factor
UniProt Gene Name	Mif
UniProt Synonym Gene Names	MIF; DER6; GIF
UniProt Entry Name	MIF_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-active-protein/mif/214327>