Datasheet for ABIN7318757

MIF Protein

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Overview

Quantity:	100 µg
Target:	MIF
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human MIF Protein
Sequence:	Met 1-Ala115
Characteristics:	Recombinant Human Macrophage migration inhibitory factor is produced by our E.coli expression system and the target gene encoding Met1-Ala115 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	MIF
Alternative Name:	MIF (MIF Products)
Background:	Background: Human MIF is a 12.5 kDa, 115 amino acid (aa) nonglycosylated polypeptide that is synthesized without asignal sequence .Secretion occurs nonclassically via an ABCA1 transporter.Pro-inflammatory cytokine.Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites ofinflammation suggests a role as mediator in

Target Details

	regulating the function of acrophages in host defense.Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase anddopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clearwhether the tautomerase activity has any physiological relevance, and whether it is important for cytokineactivity. Synonym: Macrophage migration inhibitory factor, MIF, MMIF, Glycosylation-inhibiting factor, GLIF, L-dopachrome tautomerase, Phenylpyruvate tautomerase
Molecular Weight:	12.5 kDa
UniProt:	P14174
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Regulation of Carbohydrate Metabolic Process, Feeding Behaviour, Smooth Muscle Cell Migration, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl,20 % Glycerol, pH 7.4.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.