

MIF Protein, Human (HEK293, hFc)

Cat. No.:	HY-P700425
Synonyms:	MIF; macrophage migration inhibitory factor; GIF; GLIF; MMIF; phenylpyruvate tautomerase; glycosylation-inhibiting factor; EC 5.3.2.1; Glycosylation-inhibiting factor; Phenylpyruvate tautomerase
Species:	Human
Source:	HEK293
Accession:	P14174 (P2-A115)
Gene ID:	4282
Molecular Weight:	41.3 kDa

PROPERTIES

AA Sequence	<p> P M F I V N T N V P R A S V P D G F L S E L T Q Q L A Q A T G K P P Q Y I A V H V V P D Q L M A F G G S S E P C A L C S L H S I G K I G G A Q N R S Y S K L L C G L L A E R L R I S P D R V Y I N Y Y D M N A A N V G W N N S T F A </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>MIF Protein is a pro-inflammatory cytokine that plays a crucial role in the innate immune response against bacterial pathogens. Its expression at sites of inflammation suggests its involvement in regulating macrophage function in host defense. MIF counteracts the anti-inflammatory effects of glucocorticoids. Although MIF has phenylpyruvate tautomerase and dopachrome tautomerase activity in vitro, the physiological substrate of MIF is still unknown. It remains unclear whether the tautomerase activity is relevant to its cytokine activity.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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