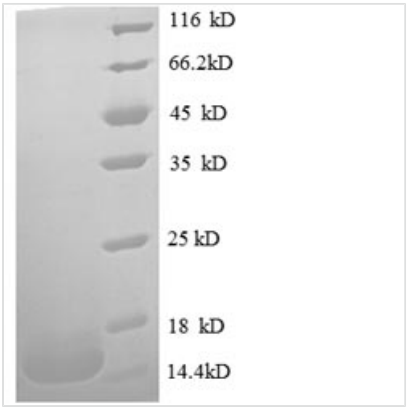
Recombinant Human Macrophage migration inhibitory factor (MIF)

Product Code	CSB-EP013826HUa0
Relevance	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.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P14174
Alias	Glycosylation-inhibiting factor ;GIFL-dopachrome isomeraseL-dopachrome tautomerase (EC:5.3.3.12)Phenylpyruvate tautomerase
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	PMFIVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSS EPCALCSLHSIGKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYYDMNAANVG WNNSTFA
Lead Time	3-7 business days
Research Area	Immunology
Source	E.coli
Gene Names	MIF
Expression Region	2-115aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	16.3kDa
Protein Description	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

This high-quality Recombinant Human MIF protein is specifically designed for immunology research applications. This protein, expressed in E. coli, represents the full length of the mature protein (2-115aa) and includes an N-terminal 6xHis-tag for efficient purification. Our MIF protein boasts a purity greater than 90%, as determined by SDS-PAGE, ensuring consistent and reliable results in your experiments.

Investigate the complex roles of MIF in inflammation, immune responses, and pathological conditions with this exceptional recombinant protein. Available in both liquid and lyophilized powder forms, our Recombinant Human MIF protein is a valuable addition to your research toolbox.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.