

Active Recombinant Human MIF protein

Cat. No. MIF-4742H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MIF protein(1-115 aa) was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-115 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. with 5% trehalose, 0.02% Tween-80.
Bio-activity	Fully biologically active when compared to standard. The specific activity is determined by binding rhCD74 in a functional ELISA.
Molecular Mass	Approximately 12.5 kDa, a single non-glycosylated polypeptide chain containing 115 amino acids.
AASequence	MPMFIVNTNV PRASVPDGFL SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA
Endotoxin	Less than 1 EU/g of rHuMIF as determined by LAL method.
Purity	≥95 by SDS-PAGE.

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Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name MIF macrophage migration inhibitory factor (glycosylation-inhibiting factor) [Homo sapiens]

Official Symbol MIF

Synonyms MIF; macrophage migration inhibitory factor (glycosylation-inhibiting factor); GLIF; macrophage migration inhibitory factor; GIF; L-dopachrome isomerase; L-dopachrome tautomerase; phenylpyruvate tautomerase; MMIF;

Gene ID 4282

mRNA Refseq NM_002415

Protein Refseq NP_002406

MIM 153620

UniProt ID P14174

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SDS-PAGE

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