

Recombinant Human MIF Protein, His-tagged

Cat. No. MIF-2444H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MIF Protein (Met3-Asn111) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met3-Asn111
Description	This gene encodes a lymphokine involved in cell-mediated immunity, immunoregulation, and inflammation. It plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids. This lymphokine and the JAB1 protein form a complex in the cytosol near the peripheral plasma membrane, which may indicate an additional role in integrin signaling pathways.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.1 kDa Accurate Molecular Mass: 14 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Applications	Cell culture; Activity Assays.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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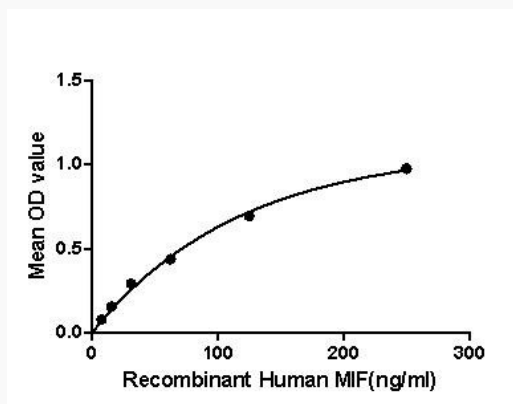
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Protein Refseq NP_002406

MIM 153620

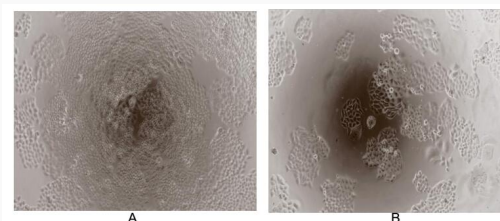
UniProt ID P14174

Bioactivity



Binding activity

Bioactivity 2



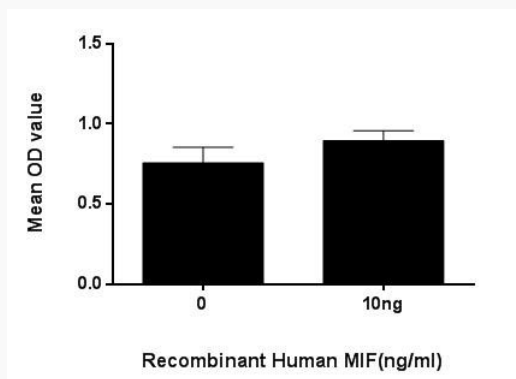
Cell proliferation of MCF-7 cells after stimulated with MIF.

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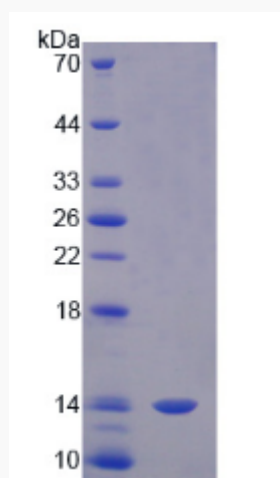
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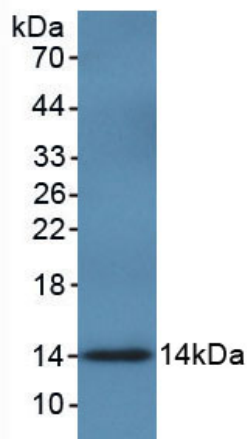
Bioactivity 2



Cell proliferation of MCF-7 cells after stimulated with MIF.



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