

Full-Length

MIF (Human) Recombinant Protein

Catalog # P7415

Size 10 ug

Specification

Product Description	Human MIF (P14174, 1 a.a. - 115 a.a.) full-length recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MPMFVNTNVPRASVPDGFLSELTQQLAQATGKPPQYIAVHVVPDQLMAFGGSSEPCALCSLHSI GKIGGAQNRSYSKLLCGLLAERLRISPDRVYINYDMNAANVGWNNSTFA
Host	Escherichia coli
Theoretical MW (kDa)	~ 12.5
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% as analyzed by SDS-PAGE. > 95% as analyzed by HPLC.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH ₂ O up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — MIF

Entrez GeneID [4282](#)

Protein Accession# [P14174](#)

Gene Name MIF

Gene Alias GIF, GLIF, MMIF

Gene Description macrophage migration inhibitory factor (glycosylation-inhibiting factor)

Omim ID [153620 604302](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations glycosylation-inhibiting factor|phenylpyruvate tautomerase

Pathway

- [Phenylalanine metabolism](#)
- [Tyrosine metabolism](#)

Disease

- [Acute Disease](#)
- [Alopecia Areata](#)
- [Alphavirus Infections](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)

- [Anoxia](#)
- [Arthralgia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrophy](#)
- [Autoimmune Diseases](#)
- [Biliary Atresia](#)
- [Birth Weight](#)
- [Bone Resorption](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Chagas Disease](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Community-Acquired Infections](#)
- [Coronary Disease](#)
- [Coronary Vessel Anomalies](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [Dyspepsia](#)
- [Edema](#)
- [Esophagitis](#)
- [Familial Mediterranean fever](#)
- [Fatty Liver](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulosclerosis](#)
- [Hamartoma](#)
- [Helicobacter Infections](#)
- [Hypercholesterolemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)

- [Malaria](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metaplasia](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Pain](#)
- [Pancreatitis](#)
- [Paraplegia](#)
- [Parasitemia](#)
- [Pneumonia](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Purpura](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Recurrence](#)

- [Sarcoidosis](#)
- [Sepsis](#)
- [Stomach Neoplasms](#)
- [Temporal Arteritis](#)
- [Tooth Loss](#)
- [Tuberculosis](#)
- [Vasculitis](#)
- [Vision Disorders](#)