

Recombinant Human MIF
Catalog # PBG10301**Specification**

Recombinant Human MIF - Product Information**Recombinant Human MIF - Additional Information****Description**

Macrophage Migration Inhibitory Factor (MIF) is a small secreted protein that can act as a pleiotropic pro-inflammatory cytokine as well as an enzyme. MIF pro-inflammatory activity can be initiated by signaling through CD74 and CD44, resulting in the secretion of TNF- α , IL-1, IL-6, IL-8, and various MMPs. The enzymatic activity of MIF is characterized by its ability to act as a tautomerase, capable of catalyzing the keto to enol isomerization of keto-phenylpyruvate and L-dopachrome. It appears as though MIF catalytic activity is dependent upon a trimeric configuration and a free N-terminal proline residue. Insect cell derived recombinant MIF is a 15 kDa protein containing 124 amino acid residues, including an N-terminal His-tag.

Biological Activity

Determined by its ability to inhibit monocyte migration.

Authenticity

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

Endotoxin

Endotoxin level is <0.1 ng/ μ g of protein (<1EU/ μ g).

Protein Content

Verified by UV Spectroscopy and/or SDS-PAGE gel.

Storage

-20°C

Precautions

Recombinant Human MIF is for research use only and not for use in diagnostic or therapeutic procedures.

Recombinant Human MIF - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)

- [Cell Culture](#)

Recombinant Human MIF - Images