

**MIF, human recombinant protein**

Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.  
Catalog # PBV10519r

**Specification**

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**MIF, human recombinant protein - Product info**

Primary Accession [P14174](#)  
Calculated MW **12.5 kDa KDa**

**MIF, human recombinant protein - Additional Info**

Gene ID **4282**  
Gene Symbol **MIF**

**Other Names**

Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF,  
Glycosylation-inhibiting factor, L-dopachrome isomerase, L-dopachrome tautomerase,  
Phenylpyruvate tautomerase.

Gene Source **Human**  
Source **E. coli**  
Assay&Purity **SDS-PAGE; ≥97%**  
Assay2&Purity2 **HPLC; ≥97%**  
Recombinant **Yes**  
Results **0.5-1 µg/ml**

**Application Notes**

Reconstitute in sterile dH<sub>2</sub>O to a concentration of 0.1 -1 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

**Format**

Lyophilized protein

**Storage**

-20°C; MIF-Protein was lyophilized from 10 mM sodium phosphate buffer pH-7.5.

**MIF, human recombinant protein - 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](#)

**MIF, human recombinant protein - Images**

**MIF, human recombinant protein - Background**

The cytokine Macrophage migration inhibitory factor (MIF) has been identified to be secreted by the pituitary gland and the monocyte/macrophage and to play an important role in endotoxic shock. MIF has the unique property of being released from macrophages and T cells in response to physiological concentrations of glucocorticoids. The secretion of MIF is tightly regulated and decreases at high, anti-inflammatory steroid concentration. Recombinant human MIF is a single, non-glycosylated, polypeptide chain containing 115 amino acids and having a molecular mass of 12.5 kDa.