

MIF, human recombinant protein

Phenylpyruvate tautomerase, Glycosylation-inhibiting factor, GIF, MMIF, MIF.

Catalog # PBV10519r

Specification

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 dH₂O 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.