BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

# Mouse recombinant MIF (Macrophage migration inhibitory factor) protein, AF

**Catalog Number:** PROTP34884-3

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## Overview

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|---|---|
| Product Name | Mouse recombinant MIF (Macrophage migration inhibitory factor) protein, AF |
| Description | Macrophage Migration Inhibitory Factor (MIF) is a 12 kDa cytokine with 115 amino acid residues. When MIF binding to CD74 and CD44, downstream signaling pathway (like ERK, AKT and MAPK) will be activated and cause p53 inhibition, cancer proliferation and invasion. |
| Size | 5ug,20ug,100ug |
| Tag | His Tag (C-term) |
| Form | Lyophilized |
| Source | Escherichia coli |
| Formulation | The protein was lyophilized from a 0.2 um filtered solution containing 1X PBS, pH 7.4. If you have any concerns or special requirements, please confirm with us. |

## Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

## Purity

>98% as determined by SDS-PAGE.

### Molecular weight

The protein has a calculated MW of 13.31 kDa. The protein migrates as 11-17 kDa under reducing condition (SDS-PAGE analysis).

### Activity

Testing in process

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## Endotoxin

<0.1 EU per 1 ug of the protein by the LAL method.

## Amino Acid Sequence

MPMFIVNTNVPRASVPEGFLSELTQQLAQATGKPAQYIAVHVVPDQLMTFSGTNDPCALCSLHSIGKIGGAQNRNYSKLLCGLLSDRLHISPDRVYINYY DMNAANVGWNGSTFA with polyhistidine tag at the C-terminus.

## Reconstitution

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile $H_2O$ to a concentration not less than 100 ug/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

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## Usage

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