

Recombinant human MIF protein ab75432

1 References [1 图像](#)

描述

产品名称	重组人MIF蛋白
纯度	> 95 % SDS-PAGE. Purity is approximately 97% as determined by analysis by RP-HPLC and reducing and non-reducing SDS-PAGE. Endotoxin level as measured by LAL is <0.01ng/ug or <0.1EU/ug.
表达系统	Escherichia coli
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MPMFIVNTNV PRASVPDGF L SELTQQLAQA TGKPPQYIAV HVVPDQLMAF GGSSEPCALC SLHSIGKIGG AQNRSYSKLL CGLLAERLRI SPDRVYINYY DMNAANVGWN NSTFA

技术指标

Our **Abpromise guarantee** covers the use of **ab75432** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Functional Studies
形式	Lyophilized
补充说明	

ab75432 acts as an inflammatory mediator consisting of two alpha-helices and six beta-strands, four of which form a beta-sheet structure. The remaining two beta-strands interact with other MIF molecules forming a trimer in solution. MIF acts on fibroblasts by inducing IL-1, IL-8 and MMP expression. MIF stimulates NO production and TNF-alpha release following IFN-gamma activation on macrophages.

制备和贮存

稳定性和存储 Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

Constituent: 0.164% Sodium phosphate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

Reconstitute with sterile water at 0.1 - 1.0 mg/ml, which can then be further diluted to other aqueous solutions.

常规信息

功能

Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The expression of MIF at sites of inflammation suggests a role as mediator in regulating the function of macrophages in host defense. Counteracts the anti-inflammatory activity of glucocorticoids. Has phenylpyruvate tautomerase and dopachrome tautomerase activity (in vitro), but the physiological substrate is not known. It is not clear whether the tautomerase activity has any physiological relevance, and whether it is important for cytokine activity.

疾病相关

Genetic variations in MIF are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.

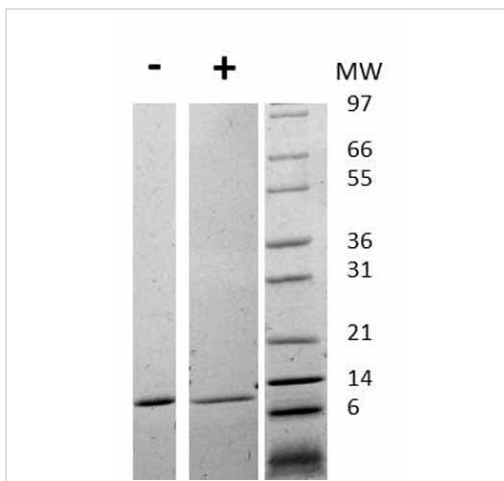
序列相似性

Belongs to the MIF family.

细胞定位

Secreted. Cytoplasm. Does not have a cleavable signal sequence and is secreted via a specialized, non-classical pathway. Secreted by macrophages upon stimulation by bacterial lipopolysaccharide (LPS), or by M.tuberculosis antigens.

图片



Western blot - Recombinant human MIF protein
(ab75432)

ab75432 used in Western Blot. Figure: 1 ug run under (+) reducing and (-) non-reducing conditions in a 4-20% Tris-Glycine gel stained with Coomassie Blue. Human MIF has a predicted MW of 12.5 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors