

Product datasheet

Recombinant Chicken MIF protein ab88204

Description

Product name	Recombinant Chicken MIF protein
Purity	> 95 % SDS-PAGE. ab88204 was purified using Ion-exchange chromatography.
Expression system	Saccharomyces cerevisiae
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Chicken
Sequence	MPMFTIHTNV CKDAVPDSSL GELTQQLAKA TGKPAQYIAV HVPDQMMSF GGSTDPCALC SLYSIGKIGG QQNKTYTKLL CDMAKHLHV SADRVIYNYF DINAANVGWN GSTFA

Specifications

Our [Abpromise guarantee](#) covers the use of **ab88204** in the following tested applications.

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

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Constituents: 2.68% PBS, 10% Trehalose
Reconstitution	Reconstitute with sterile phosphate-buffered saline containing at least 0.1% carrier protein. Reconstituted protein is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C.

General Info

Function	Pro-inflammatory cytokine. Involved in the innate immune response to bacterial pathogens. The
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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.

Involvement in disease

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.

Sequence similarities

Belongs to the MIF family.

Cellular localization

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.

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

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