

Product datasheet

Recombinant human Macrophage inflammatory protein 5 ab202788

Description

Product name	Recombinant human Macrophage inflammatory protein 5		
Biological activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract Human T lymphocytes using a concentration range of 1.0 -10.0 ng/ml.		
Purity	> 97 % SDS-PAGE. > 97 % by HPLC.		
Endotoxin level	< 1.000 Eu/µg		
Expression system	Escherichia coli		
Accession	<u>Q16663</u>		
Protein length	Full length protein		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	QFTNDAETELMMSKLPLENPVVLNSFHFAADCCTSYISQS IPCSLMKSYF ETSSECSKPGVIFLTKKGRQVCAKPSGPGVQDCMKKLKP YSI		
Predicted molecular weight	10 kDa		
Amino acids	22 to 113		
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included.		

Specifications

Our **Abpromise guarantee** covers the use of **ab202788** in the following tested applications.

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

Applications	Functional Studies
	HPLC
	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 0.58% Sodium chloride, 99% Phosphate Buffer

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

Reconstitution

Briefly centrifuge prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Function

Chemotactic factor that attracts T-cells and monocytes, but not neutrophils, eosinophils, or B-cells. Acts mainly via CC chemokine receptor CCR1. Also binds to CCR3. CCL15(22-92), CCL15(25-92) and CCL15(29-92) are more potent chemoattractants than the small-inducible cytokine A15.

Tissue specificity

Most abundant in heart, skeletal muscle and adrenal gland. Lower levels in placenta, liver, pancreas and bone marrow. CCL15(22-92), CCL15(25-92) and CCL15(29-92) are found in high levels in synovial fluids from rheumatoid patients.

Sequence similarities

Belongs to the intercrine beta (chemokine CC) family.

Cellular localization

Secreted.

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

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- Replacement or refund for products not performing as stated on the datasheet
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