

Product datasheet

Recombinant human Macrophage Inflammatory Protein 1 beta ab9676

Overview

Product name	Recombinant human Macrophage Inflammatory Protein 1 beta
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	P13236
Species	Human
Sequence	APMGSDPPTA CCFSYTARKL PHNFVVDYYE TSSLCSQPAV VFQTKRGKQV CADPSES WVQ EYVDLELN
Molecular weight	8 kDa
Amino acids	24 to 92

Specifications

Our [Abpromise guarantee](#) covers the use of **ab9676** in the following tested applications.

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

Biological activity	The biological activity of this product is determined by its ability to chemoattract human monocytes using a concentration range of 5.0 - 20.0 ng/mL.
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Applications	Functional Studies SDS-PAGE
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Endotoxin level	< 0.100 Eu/µg
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Purity	> 99 % SDS-PAGE. Sterile filtered. Greater than 99% by SDS-PAGE and HPLC analyses.
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Form	Lyophilised
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Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. n/a This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Please reconstitute in 100ul sterile water.

General Info

Function	Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.
Sequence similarities	Belongs to the intercrine beta (chemokine CC) family.
Post-translational modifications	N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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