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MIP2 Viral

MIP-2 Viral Recombinant
CHK0141

Product Overview

Name	MIP2 Viral

Description

MIP-2 Viral Recombinant

Synonyms

MIP-2 Viral, Viral MIP-2, MIP2 Viral, Viral MIP2, Viral Macrophage inflammatory Protein-2.

Introduction

Viral MIP-2 is closely related to MIP-1α, show amino acid sequence similarity of about 41%. At the amino acid sequence level, Viral MIP-1 and Viral MIP-2 share 48% similarity. Viral MIP-1 and Viral MIP-2 are more closely linked to one another phylogenetically than to other human chemokines, signifying that they have gene duplication within the virus rather than by two independent gene aquisitions. Viral MIP-2 binds to the CCR3 chemokine receptor through which eotaxin and other β chemokines activate eosinophils. Viral MIP-2 activates and chemoattract human eosinphils.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from 1mg/ml solution containing 20mM Phospahte Buffer, pH 7.4 % 0.15M NaCl.

Stability

Lyophilized MIP-2 Viral protein although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by RP-HPLC & SDS-PAGE.

Amino acid sequence

LGASWHRPDK CCLGYQKRPL PQVLLSSWYP TSQLCSKPGV IFLTKRGRQV CADKSKDWVK KLMQQLPVTA.

Biological Activity

Determined by the inhibitory effect on monocyte migration response to human MIP1A using a concentration range of 1 µg-10 µg/ml of viral MIP2 which will inhibit 25ng/ml of human MIP1A.

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Solubility

It is recommended to reconstitute the lyophilized CXCL2 Viral in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

MIP2 Viral is for research use only and not for use in diagnostic or therapeutic procedures.