9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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GCP2 Bovine

Granulocyte Chemotactic Protein 2 (CXCL6) Bovine Recombinant
CHK0048

Product Overview

Name	GCP2 Bovine

Description

Granulocyte Chemotactic Protein 2 (CXCL6) Bovine Recombinant

Accession (Primary)	P80221

Synonyms

C-X-C motif chemokine 6, Chemokine alpha 3, CKA-3, Granulocyte chemotactic protein 2, GCP-2, Small-inducible cytokine B6.

Introduction

Granulocyte Chemotactic Protein 2 (CXCL6), also known as GCP-2, is a Chemotactic for neutrophil granulocytes. GCP-2 signals through binding and activation of its receptors (CXCR1 and CXCR2). GCP-2 has strong antibacterial activity against Gram-positive and Gram-negative bacteria in addition to its chemotactic and angiogenic property.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB and 500mM NaCl, pH 7.0.

Stability

Lyophilized GCP2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Granulocyte Chemotactic Protein 2 (CXCL6) should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles .

Purity

Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

GPVAAVVREL RCVCLTTTPG IHPKTVSDLQ VIAAGPQCSK VEVIATLKNG REVCLDPEAP LIKKIVQKIL DSGKNN.

Biological Activity

The biological activity determined by a chemotaxis bioassay using human neutrophils is 10-50 ng/ml.

Solubility

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It is recommended to reconstitute the lyophilized Granulocyte Chemotactic Protein 2 (CXCL6) in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GCP2 Bovine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P80221)