



## RayBiotech, Inc.

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# Certificate of Analysis and Data Sheet Recombinant Human GCP-2

**Catalog No.**  
DS-01-0130

**Source**  
*E. Coli*

## Synonyms

Granulocyte chemotactic peptide-2, granulocyte chemoattractant protein-2, CXCL6

## Introduction

This factor is produced by stimulated human osteosarcoma cells (MG-63). It is co-produced in minute amounts together with IL8. GCP-2 is structurally related to the other members of the IL8 family and belongs to the family of chemotactic cytokines known as Chemokines (CXC-Chemokines). A characteristic feature of this factor is the presence of a conserved ELR sequence motif.

The protein is known also as SCYB6 [small inducible cytokine subfamily B member 6] and the sequence is identical with that of murine CKA-3. According to a new systematic nomenclature the name CXCL6 has been proposed for this factor.

## Specificity

GCP-2 is a member of the C-X-C family of chemokines which promotes neutrophil chemotaxis and degranulation.

## Formulation

**Preparation:** Recombinant protein prepared from *E. Coli*

**Reconstitution:** Reconstitute with 20ul distilled water

\*Gently mixed after reconstitution.

**Preservative Stabilizers:** None Present

**Endotoxin Level:** <0.1 ng/mg

**Product Form:** Purified recombinant protein - lyophilised

**Approx. Protein Concentration:** 1.0mg/ml

**Protein Molecular Weight:** 8.0kD (73 amino acid sequence)

**Purity:** >98% by SDS PAGE

**The products are furnished for LABORATORY RESEARCH USE ONLY.  
Not for diagnostic or therapeutic use.**



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## Applications

**Table Summary of protein applications and working conditions**

<b>Options</b> <b>Functions</b>	<b>YES</b>	<b>NO</b>	<b>Not determined</b>	<b>Recommended Work dilution or concentration</b>
ELISA			•	
Western Blotting			•	
Function Assay	•			50ng/ml

**Note:** Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

## Storage

Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.

**Shelf Life:** 3 months from date of reconstitution.

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