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# GCP-2 Human

*Granulocyte Chemotactic Protein 2 (CXCL6) Human Recombinant*
*CHK0049*

## Product Overview

| | |
|---|---|
| Name | GCP-2 Human |
| **Description** | |
| Granulocyte Chemotactic Protein 2 (CXCL6) Human Recombinant | |
| Accession (Primary) | P80162 |
| **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** | |
| GCP-2 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4. | |
| **Stability** | |
| Lyophilized GCP-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GCP-2 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 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. | |
| **Amino acid sequence** | |
| VLTELRCTCL RVTLRVNPKT IGKLQVFPAG PQCSKVEVVA SLKNGKQVCL DPEAPFLKKV IQKILDSGNK KN. | |
| **Biological Activity** | |
| Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human neutrophils is in a concentration range of 10-50 ng/ml corresponding to a specific activity of | |

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20,000-100,000 IU/mg.

**Solubility**

It is recommended to reconstitute the lyophilized GCP-2 in sterile 18M-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Precautions**

GCP-2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P80162 )