

Recombinant Human GCP-2 (CXCL6)

Synonyms: C-X-C motif chemokine 6, Chemokine alpha 3, CKA-3, Granulocyte chemotactic protein 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.

Description: GCP-2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 72 amino acids and having a molecular mass of 7.9kDa.

Source: *Escherichia Coli*

Physical Appearance: Sterile filtered white lyophilized (freeze-dried) powder..

Formulation: Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.

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

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: VLTELRCCTCL RVTLRVNPKT IGKLVQVFPAG PQCSKVEVVA SLKNGKQVCL DPEAPFLKKV IQKILDSGNK KN.

Biological Activity: 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 20,000-100,000 IU/mg.

This material is offered for **research use only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

<i>small</i>	5 µg	Cat.N°	11345290
<i>medium</i>	20 µg	Cat.N°	11345294

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