

Rev03
Update: Dec,14,2021

DATASHEET

GCP-2/CXCL6, Human

Cat. No.: Z03700

Product Introduction

Species	Human
Protein Construction	GCP-2/CXCL6 (Val43-Asn114) Accession # P80162
Purity	> 98% as analyzed by SDS-PAGE > 98% as analyzed by HPLC
Endotoxin Level	< 1 EU/ μ g of protein by LAL method
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 10.0-50.0 ng/ml.
Expression System	E. coli
Theoretical Molecular Weight	7.9 kDa
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS, pH 7.4.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Granulocyte chemotactic protein 2 (GCP-2) also known as Chemokine (C-X-C motif) ligand 6 (CXCL6) is a small cytokine belonging to the CXC chemokine family. As its former name suggests, GCP-2 is a chemoattractant for neutrophilic granulocytes. Among human CXC chemokines, GCP2 is most closely related to ENA78 (78% amino acid (aa) sequence identity in the mature peptide region and 86% identity in the signal sequence). The structure and sequence of the genes for human GCP2 and ENA78 also exhibit close similarity suggesting the two genes may have originated from a gene duplication. GCP2 can signal through the CXCR1 and CXCR2 receptors.

Synonyms : C-X-C Motif Chemokine 6; Chemokine Alpha 3; CKA-3; Granulocyte Chemotactic Protein 2; GCP-2; Small-Inducible Cytokine B6; CXCL6; GCP2; SCYB6

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.