ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Granulocyte Chemotactic Protein 2 (CXCL6) Human Recombinant

Item Number	rAP-0240
Synonyms	C-X-C motif chemokine 6, Chemokine alpha 3, CKA-3, Granulocyte chemotactic protein 2, GCP-2, Small-inducible cytokine B6.
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.
Uniprot Accesion Number	P80162
Amino Acid Sequence	VLTELRCTCL RVTLRVNPKT IGKLQVFPAG PQCSKVEVVA SLKNGKQVCL DPEAPFLKKV IQKILDSGNK KN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	GCP-2 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4. Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
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.
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 20,000-100,000 IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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