

TECHNICAL DATA SHEET

Recombinant Human CXCL6 (GCP2) (Carrier-free)

Catalog Number: 21-8269

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human CXCL6 (GCP2) (Carrier-free)

DESCRIPTION

Granulocyte chemotactic protein 2, GCP2, also known as chemokine (C-X-C motif) ligand 6, CXCL6, belongs to the CXC chemokine family. It is a neutrophilic granulocyte chemoattractant eliciting its effects by interacting with chemokine receptors CXCR1 and CXCR2. It is also known to exert anti-angiogenic activity.

MOLECULAR MASS

Recombinant Human GCP-2 (CXCL6) is a 7.9 kDa protein composed of 72 amino acid residues.

AMINO ACID SEQUENCE

VLTELRTCL RVTLRVNPKT IGKLQVFPAG PQCSKVEVVA SLKNGKQVCL DPEAPFLKKV IQKILDSGNK KN

SOURCE

E. Coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/μg of protein (<1 EU/μg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Bacteria, Hamster, Monkey, Rat

BIOACTIVITY

Determined by its ability to chemoattract human neutrophils using a concentration range of 10.0-50.0 ng/ml.

RESEARCH AREAS

Angiogenesis/Cardiovascular; Bone, Skeletal, Cartilage; Chemotaxis; Wound Healing

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Proost P, Wuyts A, Conings R, Lenaerts J, Billiau A, Opdenakker G and Van Damme J 1993 Biochemistry 32(38): 10170–7. Wuyts A, Van Osselaer N, Haelens A, Samson I, Herdewijn P, Ben-Baruch A, Oppenheim J, Proost P and Van Damme J 1997 Biochemistry 36(9): 2716–23.

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