

GCP-2 Human E. coli

Product Data Sheet

Type: Recombinant	Cat. No.:	
Source: E. coli	RBG10157005	(5 µg)
Species: Human	RBG10157020	(20 µg)
Other names: CXCL6, LIX (murine)	RBG10157100	(100 µg)

Description

CXCL6, also known as GCP-2 in humans, is a connective tissue-derived CXC chemokine that can signal through the CXCR1 and CXCR2 receptors. Human GCP-2, which is cross-reactive with murine cells, selectively attracts neutrophils, and has also been shown to exert anti-angiogenic activity. Recombinant Human GCP-2 is a 7.9 kDa protein containing 72 amino acid residues.

Research topic

Bone and cartilage metabolism, Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules

Amino Acid Sequence

VLTELRCCTCL RVTLRVNPKT IGKLVQFPAG PQCSKVEVVA SLKNGKQVCL DPEAPFLKKV IQKILDSGKN KN

Source

E. coli

Purity

98%

Biological Activity

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

Endotoxin

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

Reconstitution

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

Storage, Stability/Shelf Life

-20°C

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