KC Murine E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Murine
Other names: CXCL1, GRO alpha, NAP-3, GRO1, CINC (rat)

Cat. No.:	
RBG20084005	(5 µg)
RBG20084025	(25 µg)
RBG20084100	(100 µg)

Description

All three isoforms of GRO are CXC chemokines that can signal through the CXCR1 or CXCR2 receptors. The GRO proteins chemoattract and activate neutrophils and basophils. Recombinant Murine KC is a 7.8 kDa protein consisting of 72 amino acids, including the 'ELR' motif common to the CXC chemokine family that binds to CXCR1 or CXCR2.

Research topic

Cardiovascular disease, Chemokines, Coronary artery disease, Cytokines and chemokines and related molecules, Neural tissue markers

Amino Acid Sequence

APIANELRCQ CLQTMAGIHL KNIQSLKVLP SGPHCTQTEV IATLKNGREA CLDPEAPLVQ KIVQKMLKGV PK

Source

E. coli

Purity

98%

Biological Activity

Determined by its ability to chemoattract total human neutrophil population using a concentration range of 10.0-100.0 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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