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## Datasheet for ABIN7320497 CXCL1 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	CXCL1
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL1 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Mouse CXCL1 Protein (His Tag)
Sequence:	Arg20-Lys96
Characteristics:	Recombinant Mouse C-X-C motif chemokine 1 is produced by our Mammalian expression system and the target gene encoding Arg20-Lys96 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	CXCL1
Alternative Name:	CXCL1 ( <a href="#">CXCL1 Products</a> )
Background:	Background: Growth-regulated alpha protein (CXCL1,KC), is a member of the alpha chemokine subfamily, was initially identified as an immediate early gene induced in mouse fibroblasts by

## Target Details

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platelet-derived growth factor. The N-terminal processed form KC(5-72) of the protein is produced by proteolytic cleavage after secretion from bone marrow stromal cells, and shows a highly enhanced hematopoietic activity. Mouse KC shows approximately 63 % identity to that of mouse MIP-2. KC is also approximately 60 % identical to the human GROs. It has been suggested that mouse KC and MIP-2 are the orthologs of the human GROs and rat CINC<sub>s</sub>. Cxcl1 has chemotactic activity for neutrophils, and contributes to neutrophil activation during inflammation. Hematopoietic chemokine, in vitro, suppresses hematopoietic progenitor cell proliferation.

Synonym: Growth-regulated alpha protein,C-X-C motif chemokine 1,Platelet-derived growth factor-inducible protein KC,Secretory protein N51,Cxcl1,Gro, Gro1, Mgsa, Scyb1

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Molecular Weight: 9.4 kDa

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UniProt: [P12850](#)

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Pathways: [Autophagy](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.