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Datasheet for ABIN7318346 CXCL1 Protein (His tag)

Overview

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

Product Details

Purpose:	Recombinant Human CXCL1 Protein (His Tag)
Sequence:	Ala35-Asn107
Characteristics:	Recombinant Human C-X-C Motif Chemokine 1 is produced by our Mammalian expression system and the target gene encoding Ala35-Asn107 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CXCL1
Alternative Name:	CXCL1 (CXCL1 Products)
Background:	Background: Chemokine (C-X-C motif) Ligand 1 Protein (CXCL1) is a growth factor for melanoma cells and a chemotaxin for neutrophils and a member of the CXC chemokine family

Target Details

that is a potent neutrophil attractant and activator and is also active toward basophils. CXCL1 is expressed by macrophages, neutrophils and epithelial cells, it has neutrophil chemoattractant activity. CXCL1 plays a critical nonredundant role in the development of experimental Lyme arthritis and carditis via CXCR2-mediated recruitment of neutrophils into the site of infection and may also have important pro-nociceptive effects via its direct actions on sensory neurons, and may induce long-term changes that involve protein synthesis.

Synonym: Growth-Regulated Alpha Protein, C-X-C Motif Chemokine 1, GRO-Alpha(1-73), Melanoma Growth Stimulatory Activity, MGSA, Neutrophil-Activating Protein 3, NAP-3, CXCL1, GRO, GRO1, GROA, MGSA, SCYB1

Molecular Weight: 8.9 kDa

UniProt: [P09341](#)

Pathways: [Autophagy](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 5 % Trehalose, 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.