

Datasheet for ABIN1095618

CXCL1 Protein (AA 35-107, full length) (His tag)[Go to Product page](#)**1** Image**3** Publications

Overview

Quantity:	100 µg
Target:	CXCL1
Protein Characteristics:	AA 35-107, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CXCL1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ASVATELRQC CLQTLQGIHP KNIQSVNVKS PGPHCAQTEV IATLKNGRKA CLNPASPIVK KIIKMLNSD KSN
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

Target Details

Target:	CXCL1
Alternative Name:	Growth-Regulated alpha Protein (CXCL1 Products)
Background:	Has chemotactic activity for neutrophils. May play a role in inflammation and exerts its effects on endothelial cells in an autocrine fashion. In vitro, the processed forms GRO-alpha(4-73),

Target Details

	GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.
Molecular Weight:	12 kD
UniProt:	P09341
Pathways:	Autophagy

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

Publications

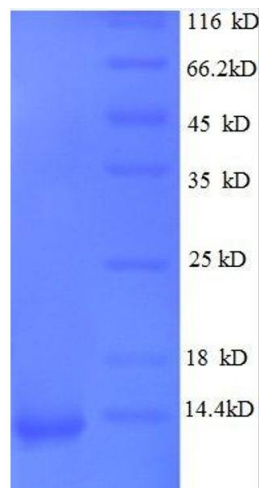
Product cited in:	Baker, Kucera, Richmond: "Nucleotide sequence of the human melanoma growth stimulatory activity (MGSA) gene." in: Nucleic acids research , Vol. 18, Issue 21, pp. 6453, (1991) (PubMed).
-------------------	---

Publications

Richmond, Balentien, Thomas, Flaggs, Barton, Spiess, Bordoni, Francke, Derynck: "Molecular characterization and chromosomal mapping of melanoma growth stimulatory activity, a growth factor structurally related to beta-thromboglobulin." in: **The EMBO journal**, Vol. 7, Issue 7, pp. 2025-33, (1988) ([PubMed](#)).

Anisowicz, Bardwell, Sager: "Constitutive overexpression of a growth-regulated gene in transformed Chinese hamster and human cells." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 84, Issue 20, pp. 7188-92, (1987) ([PubMed](#)).

Images



SDS-PAGE

Image 1. Chemokine (C-X-C Motif) Ligand 1 (Melanoma Growth Stimulating Activity, Alpha) (CXCL1) (AA 35-107), (full length) protein (His tag)