

Bioactive

CXCL2 (Human) Recombinant Protein

Catalog # P3616

Size 10 ug

Specification

Product Description	Human CXCL2 (P19875, 35 a.a. - 107 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	RAAGAPLATELRQCQLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNGQKACLNPA SP MMVKKII EKMLKNGKSN
Host	Escherichia coli
Theoretical MW (kDa)	8
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	Determined by the ability to chemoattract 293 transfected CXCR2 cells using a concentration range of 10-100 ng/mL.
Storage Buffer	Lyophilized from 20 mM Tris, pH 8.0
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — CXCL2

Entrez GeneID	2920
Protein Accession#	P19875
Gene Name	CXCL2
Gene Alias	CINC-2a, GRO2, GROb, MGSA-b, MIP-2a, MIP2, MIP2A, SCYB2
Gene Description	chemokine (C-X-C motif) ligand 2
Omim ID	139110
Gene Ontology	Hyperlink
Other Designations	GRO2 oncogene MGSA beta melanoma growth stimulatory activity beta

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Infant](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sepsis](#)