

Bioactive

CXCL2 (Human) Recombinant Protein

Catalog # P4396

Size 10 ug

Applications

Result of activity analysis

Result of activity analysis

Triplicate samples of primary human neutrophils from three donors were allowed to migrate to human CXCL2 (10, 100 and 1000 ng/mL). After 30 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above.

Specification

Product Description	Human CXCL2 (P19875) recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	APLATELRCQCLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNGQKACLNPASPMVKKIIEKMLKNGKSN
Host	Escherichia coli
Theoretical MW (kDa)	7.9
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Endotoxin Level	< 0.1 EU/ug
Activity	The activity is determined by the ability to chemoattract purified human neutrophils and is detectable starting at 10 ng/mL.
Storage Buffer	No additive
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis

Result of activity analysis

Triplicate samples of primary human neutrophils from three donors were allowed to migrate to human CXCL2 (10, 100 and 1000 ng/mL). After 30 minutes, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above.

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](#)