Bioactive

CXCL2 (Human) Recombinant Protein

Catalog # P7499 Size 5 ug

Specification

Product Description	Human CXCL2 (P19875, 35 a.a. - 107 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	APLATELRCQCLQTLQGIHLKNIQSVKVKSPGPHCAQTEVIATLKNGQKACLNPASPMVKKIIEKML KNGKSN
Host	Escherichia coli
Theoretical MW (kDa)	8
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 0.2 EU per 1 ug of protein (determined by gel clotting method)
Activity	The ED_{50} was determined on Ca^{2+} mobilization assay in CHO-K1/Galpha15/hCXCR2 cells (human Galpha15 and Human CXCR2 stably expressed in CHO-K1 cells) is < 200.0 ng/mL.
Storage Buffer	Lyophilized from sterile distilled Water up to 100 ug/mL
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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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

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