

Recombinant mouse CXCL1/GRO alpha protein ab202817

Description

Product name	Recombinant mouse CXCL1/GRO alpha protein
Biological activity	ab202817 is fully biologically active when compared to standard, determined by its ability to chemoattract total Human neutrophils using a concentration range of 10.0-100.0 ng/mL.
Purity	> 97 % SDS-PAGE. Purity is determined by SDS-PAGE and HPLC analyses.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>P12850</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	APIANELRCQCLQTMAGIHLKNIQSLKVLPSGPHCTQTEVIA TLKNGREA CLDPEAPLVQKIVQKMLKGVPK
Predicted molecular weight	8 kDa
Amino acids	25 to 96
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included. A single non-glycosylated polypeptide chain.

Specifications

Our **Abpromise guarantee** covers the use of **ab202817** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC
	SDS-PAGE
	Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.40

Constituents: 99% Phosphate Buffer, 0.87% Sodium chloride

Lyophilized from a 0.2 µM filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.

Reconstituted protein should be stored in working aliquots and stored at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

General Info

Function

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), GRO-alpha(5-73) and GRO-alpha(6-73) show a 30-fold higher chemotactic activity.

Sequence similarities

Belongs to the intercrine alpha (chemokine CxC) family.

Post-translational modifications

N-terminal processed forms GRO-alpha(4-73), GRO-alpha(5-73) and GRO-alpha(6-73) are produced by proteolytic cleavage after secretion from peripheral blood monocytes.

Cellular localization

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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