abcam

Product datasheet

Recombinant mouse CXCL2 protein ab202799

Description

Product name	Recombinant mouse CXCL2 protein
Biological activity	Fully biologically active when compared to standard. Determined by its ability to chemoattract total human neutrophils using a concentration range of 1.0-10.0 ng/mL.
Purity	> 97 % SDS-PAGE. > 97 % by HPLC analysis.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	**P10889**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	AVVASELRCQCLKTLPRVDFKNIQSLSVTPPGPHCAQTEV IATLKGGQKV CLDPEAPLVQKIIQKILNKGKAN
Predicted molecular weight	8 kDa
Amino acids	28 to 100
Additional sequence information	This product is the mature full length protein from aa 28 to 100. The signal peptide is not included. Single, non-glycosylated polypeptide chain.

Specifications

Our **Abpromise guarantee** covers the use of **ab202799** in the following tested applications.

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

Applications	Functional Studies HPLC SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle.

	pH: 7.40 Constituents: 0.87% Sodium chloride, 99% Phosphate Buffer Lyophilised from a 0.2 µm filtered concentrated solution. This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Briefly centrifuge vial 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 to -70°C. Further dilutions should be made in appropriate buffered solutions.

General Info

Function	Produced by activated monocytes and neutrophils and expressed at sites of inflammation. Hematoregulatory chemokine, which, in vitro, suppresses hematopoietic progenitor cell proliferation. GRO-beta(5-73) shows a highly enhanced hematopoietic activity.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	The N-terminal processed form GRO-beta(5-73) is produced by proteolytic cleavage after secretion from bone marrow stromal cells.
Cellular localization	Secreted.

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

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