

Product: GRO-Beta (CXCL2), murine, recombinant
Catalog #: 11-GRO-BM
Amount: 5 µg

DESCRIPTION: Recombinant Murine GRO-beta produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 7849 Dalton. rmGRO-Beta is purified by proprietary chromatographic techniques.
The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Val-Val-Ala-Ser.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 7.85 kDa

PURITY: > 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rmGRO-Beta.

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm.
2. Analysis by RP-HPLC, using a standard solution of GRO-Beta as a Reference Standard.

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: rmGRO-Beta is fully biologically active when compared to standard. The Biological activity is calculated by its ability to chemoattract total murine neutrophils cells using 1.0-10.0 ng/ml.

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