

**Product:** GRO-Beta (CXCL2), human, recombinant  
**Catalog #:** 11-GRO-BH  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant Human GRO-beta produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 7908 Dalton. rHuGRO-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-Pro-Leu-Ala-Thr.

**SOURCE:** *Escherichia coli* expression system

**MOLECULAR WEIGHT:** 7.9 kDa

**PURITY:** > 98.0% 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 rHuGRO-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:** rHuGRO-Beta is fully biologically active when compared to standard.  
The Biological activity is calculated by its ability to chemoattract CXCR2 transfected 293 cells using 10.0-100.0 ng/ml.

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