
Product Data Sheet

Product Name: GRO b Human, His
 Cat. No.: GP21112
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Macrophage inflammatory protein 2-alpha; MIP2-alpha; CXCL2; Growth-regulated protein beta; Gro-beta; chemokine (C-X-C motif) ligand 2; GRO2; GROb; MIP2; MIP2A; SCYB2; MGSA-b; MIP-2a; CINC-2a; MGSA beta.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAPLATELRC QCLQTLQGIH LKNIQSVKVK SPGPHCAQTE VIATLKNGQK ACLNPASPMV KKIIEKMLKNGKSN.		
Formulation	The Human CXCL2 protein solution contains 20mM Tris HCl.		

Introduction

Chemokine (C-X-C motif) ligand 2 (CXCL2) is a small cytokine belonging to the CXC chemokine family that is also called macrophage inflammatory protein 2-alpha (MIP2-alpha), Growth-regulated protein beta (Gro-beta) and Gro oncogene-2 (Gro-2). CXCL2 is 90% identical in amino acid sequence as a related chemokine, CXCL1. This chemokine is secreted by monocytes and macrophages and is chemotactic for polymorphonuclear leukocytes and hematopoietic stem cells. The gene for CXCL2 is located on human chromosome 4 in a cluster of other CXC chemokines. CXCL2 mobilizes cells by interacting with a cell surface chemokine receptor called CXCR2.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GRO-Beta Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 94 amino acids and having a molecular mass of 10.1 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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The GRO-b is fused to 20 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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