
Product Data Sheet

Product Name: GRO g Mouse, His
 Cat. No.: GP21119
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C-X-C motif chemokine 3; Dendritic cell inflammatory protein 1; Cxcl3; Dcip1; Gm1960; GRO-g.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHEMAVVAS ELRCQCLNTL PRVDFETIQS LTVTPPGPHC TQTEVIATLK DGQEVCLNPQ GPRLQIIKK ILKSGKSS.		
Formulation	GRO-gamma protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 50% glycerol, 0.15M NaCl and 5mM DTT.		

Introduction

Chemokine (C-X-C motif) ligand 3 (CXCL3) is a small cytokine belonging to the CXC chemokine family that is also known as GRO3 oncogene (GRO3), GRO protein gamma (GROg) and macrophage inflammatory protein-2-beta (MIP2b). CXCL3 controls migration and adhesion of monocytes and mediates its effects on its target cell by interacting with a cell surface chemokine receptor called CXCR2. The gene for CXCL3 is located on chromosome 4 in a cluster of other CXC chemokines.

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-g Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 98 amino acids (28-100 a.a.) and having a molecular mass of 10.6kDa. CXCL3 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

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