
Product Data Sheet

Product Name: MIG Human, His
 Cat. No.: GP21172
 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 9; CMK; crg-10; Humig; MIG; SCYB9; Gamma-interferon-induced monokine; Monokine induced by interferon-gamma; HuMIG; Small-inducible cytokine B9; CXCL9.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSTPVVRKG RCSCISTNQG TIHLQSLKDL KQFAPSPSCE KIEIATLKN GVQTCLNPDS ADVKELIKKW EKQVSQKKKQ KNGKKHQKKK VLKVRKSQRS RQKKT.		
Formulation	MIG protein solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.		

Introduction

MIG (CXCL9) is a small cytokine which is part of the CXC chemokine family. MIG, which is also recognized as monokine is induced by gamma interferon. MIG is related to 2 other CXC chemokines named CXCL10 and CXCL11, whose genes are located next to the gene for CXCL9 on human chromosome 4. CXCL9, CXCL10 and CXCL11 obtain their chemotactic functions by interacting with the chemokine receptor CXCR3.

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

MIG Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 126 amino acids (23-125 a.a.) and having a molecular mass of 14kDa. MIG is fused to a 23 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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