DATASHEET

Recombinant Human Monokine Induced by Interferon-gamma/CXCL9

CAT. NO. ARP6808

KEY FEATURES

Target	Monokine Induced by Interferon-gamma/CXCL9	Source/Expression System	E.coli
Reactivity	Human	Aapplication	SDS-PAGE
Abbreviation	rHuMIG/CXCL9	Synonyms	Monokine-like Protein

BACKGROUND

CXCL9 is a T-cell chemoattractant induced by IFN-γ belonging to the CXC chemokine family and it is also known as Monokine induced by gamma interferon (MIG). CXCL9 is closely related to two other CXC chemokines called CXCL10 and CXCL11 and they all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 is a cytokine that affects the growth, movement, or activation state of cells that participate in immune and inflammatory response and chemotactic for activated T-cells. The human CXCL9 shares 75% and 67% a.a. sequence identity with mouse and rat CXCL9. Recombinant human CXCL9 is a 11.7kDa protein containing 103 amino acid residues.

PRODUCT OVERVIEW

Molecular Weight	Approximately 11.7 kDa, a single non-glycosylated polypeptide chain containing 103 amino acids.
Accession	Q07325 Thr23-Thr125
A.A. Sequence	TPVVRKGRCSCISTNQGTIHLQSLKDLKQFAPSPSCEKIEIIATLKNGVQTCLNPDSADVKELIKKWEKQVSQKKKQKNGKKHQKKKVLKVRKSQRSRQKKTT
Purity	＞98% by SDS-PAGE or HPLC.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood T-lymphocytes is in a concentration range of 10-10^0 ng/ml.
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, 50 mM NaCl, pH 7.4
Appearance	Sterile filtered White lyophilized (freeze-dried) powder.
Endotoxin	< 0.1 EU/μg of rHuMIG/CXCL9 protein as determined by LAL method.
Reconstitution	Before use this product, please read the direction below carefully. This vial must be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.

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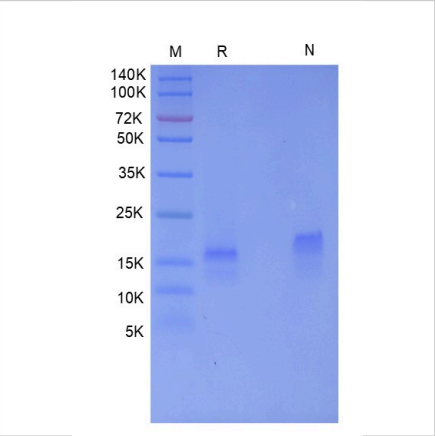
DATA



SDS-PAGE

STORAGE

For long term storage, the product should be stored ≤ -20°C. Please avoid repeated freeze-thaw cycles after reconstitution. 36 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.