
Product Data Sheet

Product Name: IP 10 Human, His

Cat. No.: GP21136

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms Small inducible cytokine B10; CXCL10; 10 kDa interferon-gamma-induced protein; Gamma-IP10; IP-10; chemokine (C-X-C motif) ligand 10; C7; IFI10; INP10; crg-2; mob-1; SCYB10; gIP-10.

Formulation IP-10 His is supplied in 10mM Tris HCl pH8, 1mM EDTA and 50% glycerol.

Introduction

Chemokine (C-X-C motif) ligand 10 (CXCL10) is a small cytokine belonging to the CXC chemokine family that is also known as 10 kDa interferon-gamma-induced protein (?-IP10 or IP-10). CXCL10 is secreted by several cell types in response to IFN-?. These cell types include monocytes, endothelial cells and fibroblasts. CXCL10 has been attributed to several roles, such as chemoattraction for monocytes and T cells, promotion of T cell adhesion to endothelial cells, anti tumor activity, and inhibition of bone marrow colony formation and angiogenesis. The gene for CXCL10 is located on human chromosome 4 in a cluster among several other CXC chemokines. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. The three-dimensional crystal structure of this chemokine has been determined under 3 different conditions to a resolution of up to 1.92Å.

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. Please avoid freeze thaw cycles.

Background

IP-10 His Tag Human Recombinant ?produced in E.Coli is single, a non-glycosylated, Polypeptide chain containing 77 amino acids fragment (22-98) and having a total molecular mass of 8.5 kDa with an amino-terminal hexahistidine tag. The IP-10 His is

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purified by proprietary chromatographic techniques.

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