
Product Data Sheet

Product Name: IL 23 Human
 Cat. No.: GP20626
 Batch No.: 1

Product Data

Purity	>98%	Source	HEK.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Interleukin 23 alpha subunit p19; Interleukin-12 subunit beta p40; SGRF; IL23P19; IL-23-A; interleukin-six; G-CSF related factor; JKA3 induced upon T-cell activation; interleukin 12B (natural killer cell stimulatory factor 2 cytotoxic lymphocyte maturation factor 2 p40); NK cell stimulatory factor chain 2; Cytotoxic lymphocyte maturation factor 40 kDa subunit; CLMF2; CLMF p40.		
Solubility	It is recommended to reconstitute the lyophilized IL23 in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.		
Formulation	IL-23 was lyophilized from a 0.1µm filtered solution (1.05mg/ml) containing 1xPBS.		

Introduction

IL23 is composed of a subunit of the heterodimeric cytokine IL23 and the p40 subunit of interleukin 12 (IL12B). Interleukin-23 (IL-23) belongs to the IL-12 family and is produced by antigen presenting cells. IL-23 using IL12RB1 and IL-23R (specific for IL-23) can activate STAT and NF-kB pathways and stimulate the production of IFN-gamma. IL-23 is known to take a vital part in the inflammation process and is associated with autoimmune diseases. However, unlike IL12, which acts primarily on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells.

Biological Activity

The activity, as determined by the dose dependent secretion of IL-17 in response to IL-23 using murine splenocytes, the ED50 is 1.9ng/ml.

Stability

Lyophilized Interleukin-23 although stable at room temperature for 3 weeks. should be

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

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IL-23 Human Recombinant is a heterodimeric protein composed of 2 disulfide-linked subunits - 19kDa (p19) and 43 kDa (p40). It is stable at room temperature for 2 weeks, and can be stored desiccated below -18°C . Upon reconstitution IL-23 should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

IL-23 Human Recombinant produced in HEK cells is a 55kDa heterodimeric protein composed of 2 disulfide-linked subunits - 19kDa (p19) and 43 kDa (p40).

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