
Product Data Sheet

Product Name: IL35 Human
Cat. No.: GP20654
Batch No.: 1

Product Data

Purity	>98%	Source	HEK 293 cells.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Amino Acid Sequence	EBI3 subunit:		
Solubility	It is recommended to reconstitute the lyophilized IL35 in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from a concentrated solution containing 10mM Na ₂ PO ₄ pH 7.5 and 30mM NaCl.		

Introduction

Interleukin-35 is a glycosylated, disulfide-linked, heterodimeric protein comprised of the p35 subunit of IL-12 (IL-12 alpha) and the beta subunit of IL-27 (EBI3). IL35 is expressed by regulatory T-cells (Tregs), macrophages and some trophoblast and dendritic cells. IL-35 is produced in response to inflammation and generally serves as an inflammation suppressor. Interleukin-35 curbs inflammation by applying multiple activities, including the stimulation of regulatory T-cells and the inhibition of Th17 cells.

Stability

Lyophilized IL35 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution IL35 should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Background

IL35 Human Recombinant produced in HEK 293 cells is comprised of a p35 subunit from IL-12 (Accession # p29459) and a EBI3 (Accession # q14213) subunit from IL-27. IL35 is a heterodimeric polypeptide chain containing 442 amino acids, with a predicted

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molecular weight of 49 kDa. From N terminus to C terminus, the molecule is comprised of a poly His tag, the EBI3 subunit, a G rich linker and the p35 subunit.

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