9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

IL35 Human

Interleukin-35 Human Recombinant
CYK0432

Product Overview

Name	IL35 Human

Description

Interleukin-35 Human Recombinant

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.

Source

HEK 293 cells.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized from a concentrated solution containing 10mM Na2PO4 pH 7.5 and 30mM NaCl.

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). Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by analysis by SDS-PAGE.

Amino acid sequence

EBI3 subunit: RKGPPAALTL PRVQCRASRY PIAVDCSWTL PPAPNSTSPV SFIATYRLGM AARGHSWPCL QQTPTSTSCT ITDVQLFSMA PYVLNVTAVH PWGSSSSFVP FITEHIIKPD PPEGVRLSPL AERQLQVQWE PPGSWPFPEI FSLKYWIRYK RQGAARFHRV GPIEATSFIL RAVRPRARYY VQVAAQDLTD YGELSDWSLP ATATMSLGK p35 subunit: RNLPVATPDP GMFPCLHHSQ NLLRAVSNML QKARQTLEFY PCTSEEIDHE DITKDKTSTV EACLPLELTK NESCLNSRET SFITNGSCLA SRKTSFMMAL CLSSIYEDLK MYQVEFKTMN AKLLMDPKRQ IFLDQNMLAV IDELMQALNF NSETVPQKSS LEEPDFYKTK IKLCILLHAF RIRAVTIDRV MSYLNAS

Solubility

It is recommended to reconstitute the lyophilized IL35 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

IL35 Human is for research use only and not for use in diagnostic or therapeutic procedures.