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32-1521: IL35 Recombinant Protein

Description

Source : HEK 293 cells. 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 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. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95.0% as determined by analysis by SDS-PAGE.
Content :	Lyophilized from a concentrated solution containing 10mM Na2PO4 pH 7.5 and 30mM NaCl.
Storage condition :	Lyophilized IL35 although stable at room temperature for 3 weeks, should be stored desiccated below -180C. Upon reconstitution IL35 should be stored at 40C between 2-7 days and for future use below -180C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	EBI3 subunit:RKGPPAALTL PRVQCRASRY PIAVDCSWTL PPAPNSTSPV SFIATYRLGM AARGHSWPCL QQTPTSTSCT ITDVQLFSMA PYVLNVTAVH PWGSSSSFVP FITEHIIKPD PPEGVRLSPL AERQLQVQWE PPGSWPFPEI FSLKYWIRYK RQGAARFHRV GPIEATSFIL RAVRPRARYY VQVAAQDLTD YGELSDWSLP ATATMSLGKp35 subunit:RNLPVATPDP GMFPCLHHSQ NLLRAVSNML QKARQTLEFY PCTSEEIDHE DITKDKTSTV EACLPLELTK NESCLNSRET SFITNGSCLA SRKTSFMMAL CLSSIYEDLK MYQVEFKTMN AKLLMDPKRQ IFLDQNMLAV IDELMQALNF NSETVPQKSS LEEPDFYKTK IKLCILLHAF RIRAVTIDRV MSYLNAS

Application Note

It is recommended to reconstitute the lyophilized IL35 in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions.