

Human IL35 Recombinant Protein



RPPB0672

Product Information Protein Information

Product SKU:

RPPB0672

Host:

HEK 293 cells.

Protein description:

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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation:

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

Purity:

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

Solubility:

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

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.

Amino Acid Sequence:

EBI3 subunit:RKGPPAALTL PRVQCRASRY PIAVDCSWTL PPAPNSTSPV SFIATYRLGM AARGHSWPCL
QQTPTSTSTCT ITDVQLFSMA PYVLNVTAVH PWGSSSSFVP FITEHIKPD PPEGVRLSPL AERQLQVQWE
PPGSWPFPEI FSLKYWIRYK RQGAARFHRV GPIEATSFIL RAVRPRARYY VQVAAQDLTD YGELSDWSLP
ATATMSLGKp35 subunit:RNLPVATPDP GMFPC LHHSQ NLLRAVSNML QKARQTLEFY PCTSEEIDHE
DITKDKTSTV EACLPLELTK NESCLNSRET SFITNGSCLA SRKTSFMMAL CLSSYIEDLK MYQVEFKTMN
AKLLMDPKRQ IFLDQNMLAV IDELMQALNF NSETVPQKSS LEEPDFYKTK IKLCILLHAF RIRAVTIDRV
MSYLNAS