

Human IL 27 Recombinant Protein



RPPB0647

Product Information Protein Information

Product SKU:

RPPB0647

Accession:

Q8NEV9

Host:

HEK.

Protein description:

IL-27 Human Recombinant produced in HEK cells is a glycosylated non-covalently heterodimer that consists of 2 chains, IL27A (IL27p28) having a Mw of 25kDa and IL27B (EBI3) having a Mw of 30kDa. Each chain migrates separately on SDS-PAGE. The IL-27 protein is purified by proprietary chromatographic techniques

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Interleukin-30, IL-30, IL-27/p28, p28, Interleukin-27, Interleukin-27/p28, IL-27, Interleukin-27 subunit alpha, IL-27 subunit alpha, IL27-A, IL27, IL27a, IL-27p28.

Formulation:

The IL-27 was lyophilized from 1mg/ml in 1xPBS.

Purity:

Greater than 90% as observed by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IL-27 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.

Stability:

Lyophilized IL-27 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL27 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:

IL-27A (215aa):FPRPPGRPQL SLQELRREFT VSLHLARKLL AEVRGQAHRF AESHLPGVNL YLLPLGEQLP DVSLTFQAWR RLSDPERLCF ISTTLQPFHA LLGGLGTQGR WTNMERMQLW AMRLDLRDLQ RHLRFQVLAA GFNLPEEEEE EEEEEERK GLLPGALGSA LQGPAQVSWP QLLSTYRLLH SLELVLSRAV RELLLSKAG HSVWPLGFPT LSPQP.IL-27B (209aa):RKGPPAALTL PRVQCRASRY PIAVDCSWTL PPAPNSTSPV SFIATYRLGM AARGHSWPCL QQTPTSTSTCT ITDVQLFSMA PYVLNVTAVH PWGSSSSFVP FITEHIKPD PPEGVRLSPL AERQLQVQWE PPGSWPFPEI FSLKYWIRYK RQGAARFHRV GPIEATSFIL RAVRPRARYY VQVAAQDLTD YGELSDWSLP ATATMSLGK.

Biological Activity:

The specific activity was determined by the dose dependent inhibition of HIV replication in human CD4+ T cells and in human monocyte-derived macrophages and is typically 4-12ng/ml.