

Interleukin-27 Human Recombinant

Item Number	rAP-0485
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.
Description	IL-27 Human Recombinant produced in HEK cells is a glycosylated heterodimer, having a molecular weight range of 25-30kDa due to glycosylation. The IL-27 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8NEV9
Amino Acid Sequence	IL-27A (215aa):FPRPPGRPQL SLQELRREFT VSLHLARKLL AEVRGQAHRF AESHLPGVNL YLL- PLGEQLP DVSLTFQAWR RLSDPERLCF ISTTLQPFHA LLGGGLGTQGR WTNMERMQLW AMRLDLRDLQ RHLRFQVLAA GFNLPEEEEE EEEEEEEERK GLLPGALGSA LQGPAQVSWP QLLSTYRLHH SLELVLSLRAV RELELLLSKAG HSVWPLGFPT LSPQP.IL-27B (209aa):RKGPPAALTL PRVQCRASRY PIAVDCSWTL PPAPNSTSPV SFIATYRLGM AARGHHSWPL QQPTPTSTSCT ITDVQLFSMA
Source	HEK.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	The IL-27 was lyophilized from 1mg/ml in 1xPBS. Greater than 90% as observed by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-27 in sterile PBS containing 0.1% endotoxin-free recombinant HSA.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**