

Interleukin-27 Mouse Recombinant

Item Number	rAP-0612
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, II27, II27a, IL-27p28.
Description	Interleukin-27 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids and having a molecular mass of 23.7 kDa. The Murine IL-27 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8K3I6
Amino Acid Sequence	MFPTDPLSLQ ELRREFTVSL YLARKLLSEV QGYVHSFAES RLPGVNLDLL PLGYHLPNV LTFQAWHHLs DSERLCFLAT TLRPFPAMLG GLGTQGTWTS SEREQLWAMR LDLRDLHRL RFQVLAAGFK CSKEEEDKEE EEEEEEEKK LPLGALGGPN QVSSQVSWPQ LLYTYQLLHS LELVLSRAVR DLLLSSLPRR PGSWDS.
Source	Escherichia Coli.
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. Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from 10mM Sodium Phosphate (NaP) buffer pH-7.5. Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL-27 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Mouse p28 biological activity was measured via dose-dependent inhibition of TGF-beta and IL-6-induced IL-17A expression in mouse CD4 splenocytes. 50ng/ml; corresponding to a Specific Activity of 20,000IU/mg of mouse p28 is capable of inhibiting >2
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 end users! This product is sold for **Research Use Only**