

Interleukin-36 Alpha Human Recombinant

Item Number	rAP-0521
Synonyms	Interleukin 36 alpha, FIL1E, IL1F6, FIL1, IL1(EPSILON), interleukin 1 family member 6 (epsilon), MGC129552, MGC129553.
Description	IL36A Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 153 amino acids (aa 6-158) and having a molecular mass of 17.0kDa. The IL36A is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9UHA7
Amino Acid Sequence	KIDTPQQGSI QDINHRVWVL QDQTLIAVPR KDRMSPVTIA LISCRHVETL EKDRGNPIYL GLNGLNLCLM CAKVGDQPTL QLKEKDIMDL YNQPEPVKSF LFYHSQSGRN STFESVAFPG WFIIVSSEGG CPLILTQELG KANTTDFGLT MLF
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL36A Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36A 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 a 0.2µm filtered concentrated solution in 20mM Tris-HCl, 150mM NaCl, 0.1% Tween 20, pH 8.0. 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 IL36A in sterile 18M ² -cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Fully biologically active when compared to standard. The ED50 as measured by its ability to induce IL-8 secretion in human preadipocytes is less than 10ng/ml, corresponding to a Specific Activity of 100,000 IU/mg.
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**