

Interleukin-36 Alpha 153 a.a Mouse Recombinant

Item Number	rAP-0534
Synonyms	Interleukin 36 alpha, FIL1E, IL1F6, FIL1, IL1(EPSILON), interleukin 1 family member 6 (epsilon), MGC129552, MGC129553.
Description	IL36A 153 a.a. Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 153 amino acids (8-160a.a.) and having a molecular mass of 17.0kDa. The IL36A 153 a.a. Mouse is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9JLA2
Amino Acid Sequence	RAASPSLRHV QDLSSRVWIL QNNILTAVPR KEQTPVPTIT LLPCQYLDL ETNRGDPTYM GVQRPM- SCLF CTKDGEQPVL QLGEGNIMEM YNKKEPVKAS LFYHKKSGTT STFESAAFPG WFIACSKGS CPLILTQELG EIFITDFEMI VVH
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL36A 153 a.a. Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36A 153 a.a. Mouse 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 0.2%m filtered concentrated solution in 1xPBS, pH 7.4 and 5% trehalose. Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL36A 153 a.a. Mouse in sterile 18M-cm H2O 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-6 secretion in NIH-3T3 mouse embryonic fibroblast cells is less than 20ng/ml, corresponding to a specific activity of 50,000IU/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 end users! This product is sold for **Research Use Only**