

Interleukin-36 Gamma Mouse Recombinant

Item Number	rAP-0651
Synonyms	Interleukin-36 gamma, Interleukin-1 family member 9, IL-1F9, IL36g, IL1f9.
Description	IL36G Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 17.3kDa. The IL36G is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q8R460
Amino Acid Sequence	GRETPDFGEV FDLDQQVWIF RNQALVTVPR SHRVTVPVSVT ILPCKYPESL EQDKGIAIYL GIQNPDKCLF CKEVNGHPTL LLKEEKILD L YHHPEPMKPF LFYHTRTGGT STFESVAFPG HYIASSKTGN PIFLTSKKGE YYNINFNLDI KS.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL36g Mouse although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL36g 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, pH 8.5, 150mM NaCl and Tween -20. Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized IL36g in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ as determined by inducing IL-6 secretion in murine NIH/3T3 cells is less than 10 ng/ml, corresponding to a specific activity of > 1.0×10 ⁵ 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**