

## Interleukin-36 Gamma (152 a.a) Human Recombinant

<b>Item Number</b>	rAP-0524
<b>Synonyms</b>	Interleukin 36 gamma, IL1F9, interleukin 1 family member 9, Interleukin-1 epsilon, IL-1RP2, IL-1H1, IL1E, interleukin 1-related protein 2, Interleukin-1 homolog 1.
<b>Description</b>	IL36G (152 a.a.) Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 152 amino acids and having a molecular mass of 17.0kDa. The IL36G (152 a.a.) is purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	Q9NZH8
<b>Amino Acid Sequence</b>	SMCKPITGTI NDLNQQVWTL QQQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYL GIQNPEM- CLY CEKVGEQPTL QLKEQKIMDL YQQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSKRDQ PIILTSELGK SYNTAFELNI ND
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized IL36g Human 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.
<b>Formulation and Purity</b>	Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4, containing 5% trehalose. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized IL36g in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	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 15ng/ml, corresponding to a Specific Activity of 67,000 IU/mg.
<b>Shipping Format and Condition</b>	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**