

Product datasheet for **TP727468**

IL36 gamma (IL36G) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Interleukin-36 $\hat{\text{I}}^{\text{3}}$ /IL-36 $\hat{\text{I}}^{\text{3}}$ /IL-1F9
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser18-Asp169
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 100mM NaCl, 0.1mM EDTA, pH 8.0.
Note:	Recombinant Human Interleukin-36 gamma is produced by our E.coli expression system and the target gene encoding Ser18-Asp169 is expressed.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	56300
UniProt ID:	Q9NZH8
Synonyms:	Interleukin-36 gamma; IL36G; IL-1-related protein 2; IL-1RP2; IL-1 epsilon; IL-1F9; Interleukin-1 homolog 1; IL-1H1
Summary:	Interleukin-36 gamma (IL-36 $\hat{\text{I}}^{\text{3}}$) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 $\hat{\text{I}}^{\text{1}}$, $\hat{\text{I}}^{\text{2}}$, and $\hat{\text{I}}^{\text{3}}$, formerly known as IL-1F6, F8, and F9 respectively. IL-36 $\hat{\text{I}}^{\text{1}}$ has been detected in both neuronal and synovial tissue, whereas IL-36 $\hat{\text{I}}^{\text{2}}$ and IL-36 $\hat{\text{I}}^{\text{3}}$ are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 $\hat{\text{I}}^{\text{2}}$ and IL-36 $\hat{\text{I}}^{\text{3}}$ stimulate proliferation, maturation and/or cytokine expression by innate immune cells (such as keratinocytes and dendritic cells), and adaptive immune cells (neutrophils and T-cells) in both humans and mice. The activity of IL-36 $\hat{\text{I}}^{\text{1}}$ is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by interleukin 1 family, member 5 (IL1F5/IL-1 delta). IL-36 $\hat{\text{I}}^{\text{3}}$ plays an important role in communicating the cell death to surrounding cells.
Protein Families:	Druggable Genome, Secreted Protein



[View online »](#)