

## Product datasheet for **TP727622**

### Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Mouse IL-36 gamma
<b>Species:</b>	Mouse
<b>Expression cDNA Clone or AA Sequence:</b>	Gly13-Ser164
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of 1 M MOPS, 10 mM NaAC, pH7.6, with 2 mM EDTA, 5 % Trehalose, 0.02 % Tween-20. .
<b>Note:</b>	Recombinant Mouse Interleukin-36 gamma is produced by our E.coli expression system and the target gene encoding Gly13-Ser164 is expressed.
<b>Storage:</b>	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.
<b>Stability:</b>	12 months from date of despatch
<b>Summary:</b>	Interleukin-36 gamma (IL-36 $\hat{I}$ <sup>3</sup> ) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 $\hat{I}$ <sup>1</sup> , $\hat{I}$ <sup>2</sup> , and $\hat{I}$ <sup>3</sup> , formerly known as IL-1F6, F8, and F9 respectively. IL-36 $\hat{I}$ <sup>1</sup> has been detected in both neuronal and synovial tissue, whereas IL-36 $\hat{I}$ <sup>2</sup> and IL-36 $\hat{I}$ <sup>3</sup> are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 $\hat{I}$ <sup>2</sup> and IL-36 $\hat{I}$ <sup>3</sup> 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 $\hat{I}$ <sup>1</sup> 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 $\hat{I}$ <sup>3</sup> plays an important role in communicating the cell death to surrounding cells.



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