

Product datasheet for **TP727622**

Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse IL-36 gamma
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gly13-Ser164
Buffer:	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. .
Note:	Recombinant Mouse Interleukin-36 gamma is produced by our E.coli expression system and the target gene encoding Gly13-Ser164 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
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{I}^3) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 \hat{I}^1 , \hat{I}^2 , and \hat{I}^3 , formerly known as IL-1F6, F8, and F9 respectively. IL-36 \hat{I}^1 has been detected in both neuronal and synovial tissue, whereas IL-36 \hat{I}^2 and IL-36 \hat{I}^3 are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 \hat{I}^2 and IL-36 \hat{I}^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{I}^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{I}^3 plays an important role in communicating the cell death to surrounding cells.



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