

# Recombinant Mouse IL-36 gamma protein(His Tag)



Catalog Number:PKSM041481

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

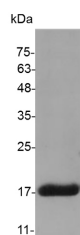
## Description

<b>Synonyms</b>	IL-17E
<b>Species</b>	Mouse
<b>Expression Host</b>	E.coli
<b>Sequence</b>	Gly 13-Ser 164
<b>Accession</b>	Q8R460
<b>Calculated Molecular Weight</b>	18.3 kDa
<b>Observed molecular weight</b>	17 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 98 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 0.1 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 98 % as determined by reducing SDS-PAGE.

## Background

Interleukin-36 gamma (IL-36 $\gamma$ ) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 $\alpha$ ,  $\beta$ , and  $\gamma$ , formerly known as IL-1F6, F8, and F9 respectively. IL-36 $\alpha$  has been detected in both neuronal and synovial tissue, whereas IL-36 $\beta$  and IL-36 $\gamma$  are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 $\beta$  and IL-36 $\gamma$  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 $\alpha$  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 $\gamma$  plays an important role in communicating the cell death to surrounding cells.

## For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: [www.elabscience.com](http://www.elabscience.com)

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)