

Recombinant Mouse Interleukin-36 gamma/IL-36 gamma/IL-1F9



Catalog Number:PKSM041397

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

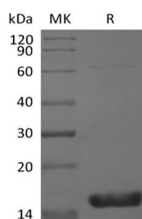
Description

Synonyms	Interleukin-36 gamma;IL36G;IL-1-related protein 2;IL-1RP2;IL-1 epsilon;IL-1F9;Interleukin-1 homolog 1;IL-1H1
Species	Mouse
Expression Host	E.coli
Sequence	Gly13-Ser164
Accession	Q8R460
Calculated Molecular Weight	17.3 kDa
Observed molecular weight	17 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2µm filtered solution of 20mM Histidine-HCl, 10% Trehalose, 0.05% Tween 80, pH5.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer in
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-36 gamma (IL-36 γ) is a member of the interleukin 1 cytokine family that includes three closely related genes, IL-36 α , β , and γ , formerly known as IL-1F6, F8, and F9 respectively. IL-36 α has been detected in both neuronal and synovial tissue, whereas IL-36 β and IL-36 γ are expressed in both cutaneous and mucosal epithelial cells, including the respiratory tract. IL-36 β and IL-36 γ 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 α is mediated by interleukin 1 receptor-like 2 (IL1RL2/IL1R-rp2), and is specifically inhibited by

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interleukin 1 family, member 5 (IL1F5/IL-1 delta). IL-36 γ plays an important role in communicating the cell death to surrounding cells.

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