

IL-36γ/IL-1F9, Human, Recombinant

Cat. No. : PCK195

General Information

Synonyms	Interleukin-36 gamma;IL36G;IL-1-related Protein 2;IL-1RP2;IL-1 epsilon;IL-1F9;Interleukin-1 homolog 1;IL-1H1
Species	Human
Expression host	E.coli
Sequence	Ser18-Asp169
Accession	Q9NZH8
Mol mass	17.0 kDa
Expiration date	12 months
Bio activity	Measured by its ability to induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED50 for this effect is 5-20 ng/mL.

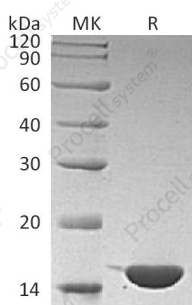
Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris, 100 mM NaCl, 0.1 mM EDTA, pH 8.0.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

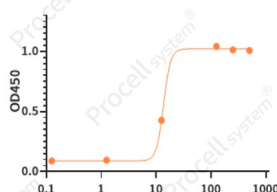
Background

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

SDS-PAGE



Bio activity



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