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Datasheet for ABIN7318675 IL1F9 Protein

Overview

Quantity:	100 µg
Target:	IL1F9
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human IL36G/IL1F9 Protein (Active)
Sequence:	Ser18-Asp169
Characteristics:	Recombinant Human Interleukin-36 gamma is produced by our E.coli expression system and the target gene encoding Ser18-Asp169 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	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.

Target Details

Target:	IL1F9
Alternative Name:	IL36G/IL1F9 (IL1F9 Products)

Target Details

Background:	<p>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.</p> <p>Synonym: Interleukin-36 gamma, IL36G, IL-1-related protein 2, IL-1RP2, IL-1 epsilon, IL-1F9, Interleukin-1 homolog 1, IL-1H1,IL1E,IL1F9,IL1H1,IL1RP2</p>
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Molecular Weight:	17.0 kDa
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UniProt:	Q9NZH8
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Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM Tris,100 mM NaCl,0.1 mM EDTA, pH 8.0.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>