Datasheet for ABIN7520123

IL1F9 Protein

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Overview

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

Product Details

Purpose:	Active Recombinant Human IL36 gamma/IL-1F9 Protein
Sequence:	SMCKPITGTI NDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYL GIQNPEMCLY CEKVGEQPTL QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSKRDQ PIILTSELGK SYNTAFELNI ND
Specificity:	Ser18-Asp169
Purity:	> 92 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	1.The NF-kB (Luc) HEK293 Reporter Cell was stimulated with serial dilutions of human IL-36 gamma protein. After 7 hours, 2.5 ng/mL of human IL-36 gamma can effectively activate the NF-κB signaling.|2.Measured by its ability to induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED_{50} for for this effect is 101.34-405.36 ng/mL.

Target Details

Target:	IL1F9
Alternative Name:	IL36 gamma/IL-1F9 (IL1F9 Products)
Background:	Description: The protein is a member of the interleukin 1 cytokine family. The activity of this cytokine 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). Interferon-gamma, tumor necrosis factor-alpha and interleukin 1, beta (IL1B) are reported to stimulate the expression of this cytokine in keratinocytes. The expression of this cytokine in keratinocytes can also be induced by a contact hypersensitivity reaction or herpes simplex virus infection. Name: IL36G,IL-1F9,IL-1H1,IL-1RP2,IL1E,IL1F9,IL1H1,IL1RP2
Gene ID:	56300
UniProt:	Q9NZH8

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.