

Recombinant Human IL-36 gamma/IL-1F9 Protein

Catalog No.: RP00035

Sequence Information

Species **Gene ID**
Human 56300

Swiss Prot **Tags**
Q9NZH8 No tag

Synonyms

IL36G,IL-1F9,IL-1H1,IL-1RP2,IL1E,
IL1F9,IL1H1,IL1RP2

Product Information

Source **Purification**
E. coli ≥ 90 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
17.03 kDa 17 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.22 μm filtered
solution of 20mM Tris, 150mM
NaCl, pH 8.0. Contact us for
customized product form or
formulation.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

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.

Basic Information

Description

Recombinant Human IL-36 gamma/IL-1F9 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ser18-Asp169) of human Interleukin-36 gamma (Accession #NP_062564.1).

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

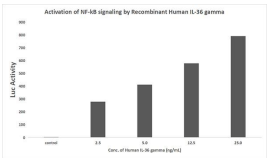
Contact

☎ | 400-999-6126

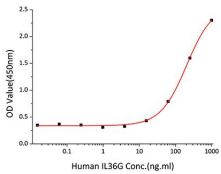
✉ | cn.market@abclonal.com.cn

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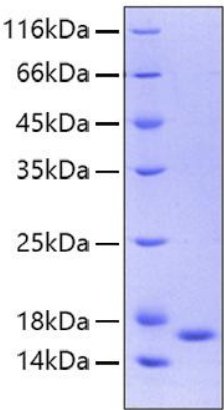
Validation Data



The NF-κB (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.



Recombinant Human IL-36G induce IL-8 secretion in A431 human epithelial carcinoma cells. The ED₅₀ for for this effect is 101.34-405.36 ng/mL.



Recombinant Human IL-36 gamma/IL-1F9 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.