

Interleukin 1 Family, Member 9 (IL1F9) Active Protein | IL1F9 active protein

Active Interleukin 1 Family, Member 9 (IL1F9)

CATALOG # AAA148222	HOST E Coli	REACTIVITY Human	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Interleukin 1 Family; Member 9 (IL1F9); Active Interleukin 1 Family; IL-1F9; IL36g; IL-1H1; IL-1RP2; IL1E; IL1H1; IL1RP2; Interleukin 36; Gamma; Interleukin-1 Homolog 1; Interleukin-1 epsilon; Interleukin 1-Related Protein 2; IL1F9 active protein

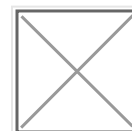
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 90%
Form/Format	Freeze-dried powder
Sequence Length	134
Applicable Applications for IL1F9 active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Met1~Ala162
Isoelectric Point	6.3

IMAGES



SDS-PAGE



Activity

IL36G (Interleukin 36 gamma), also known as IL-1F9 and IL-1H1 is a member of the IL-1 family. The receptor for IL36 gamma is reported to be a combination of IL-1 R6/IL-1 Rrp2 and IL-1 R3/IL-1 R AcP. Thus we have conducted a binding ELISA assay to detect the interaction of recombinant human IL36G with recombinant human IL1R1. Briefly, IL36G were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IL1R1-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-IL1R1 pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IL36G with IL1R1 was shown in Figure 1 and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IL1F9 active protein	Cytokine
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q9NZH8; Q56B91; Q6UVX7; Q7RTZ9
Molecular Weight	Predicted Molecular Weight: 19.1kDa Accurate Molecular Weight: 19kDa
UniProt Protein Name	Interleukin-36 gamma
UniProt Gene Name	IL36G
UniProt Synonym Gene Names	IL1E; IL1F9; IL1H1; IL1RP2; IL-1RP2; IL-1 epsilon; IL-1F9; IL-1H1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-human-active-protein/interleukin-1-family-member-9-il1f9/148222>