



[Go to Product page](#)

## Datasheet for ABIN7318021 IL1F9 Protein (His tag)

### Overview

Quantity:	20 µg
Target:	IL1F9
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1F9 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IL36G/IL1F9 Protein (aa 18-169, His Tag)
Sequence:	Ser18-Asp169
Characteristics:	A DNA sequence encoding the mature form of human IL1F9 (NP_062564) (Ser18-Asp169) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 98 % as determined by reducing SDS-PAGE.

### Target Details

Target:	IL1F9
Alternative Name:	IL36G/IL1F9 ( <a href="#">IL1F9 Products</a> )
Background:	Background: Vaccinia H1-related phosphatase (VHR) is classified as a dual-specificity phosphatase (DUSP), and the other name is dual-specificity phosphatase 3 (DUSP3). DUSPs are a heterogeneous group of protein phosphatases that can dephosphorylate both phosphotyrosine and phosphoserine/phosphothreonine residues within the one substrate.

## Target Details

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Unlike typical DUSPs, VHR lacks mitogen-activated protein kinase (MAPK)-binding domain, and shows poor activity against MAPKs. VHR often act on bisphosphorylated protein substrates, it displays a strong preference for dephosphorylating phosphotyrosine residues over phosphothreonine residues. VHR has been identified as a novel regulator of extracellular regulated kinases (ERKs). VHR is responsible for the rapid inactivation of ERK following stimulation and for its repression in quiescent cells. VHR is a negative regulator of the Erk and Jnk pathways in T cells and, therefore, may play a role in aspects of T lymphocyte physiology that depend on these kinases.

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

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Molecular Weight: 19.1 kDa

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NCBI Accession: [NP\\_062564](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. 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.