

Bioactive

## IL1F9 (Human) Recombinant protein

Catalog # P8850

Size 2 x 10 ug

### Specification

Product Description	Human IL1F9 152 a.a. (Q9NZH8) recombinant protein expressed in <i>Escherichia Coli</i> .
Sequence	SMCKPITGTINDLNQQVWTL QGQNLVAVPR SDSVTPVTVA VITCKYPEAL EQGRGDPIYL GIQN PEMCLYCEKVGEQPTL QLKEQKIMDL YGQPEPVKPF LFYRAKTGRT STLESVAFPD WFIASSK RDQ PIILTSELGK SYNTAFELNI ND
Host	Escherichia coli
Theoretical MW (kDa)	17
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE.
Activity	Fully biologically active when compared to standard. The ED <sub>50</sub> as measured by the ability to induce I L-8 secretion in human preadipocytes is less than 15 ng/mL, corresponding to a Specific Activity of 6 7,000 IU/mg.
Storage Buffer	Lyophilized from 1X PBS, pH 7.4 and 5% trehalose
Storage Instruction	Lyophilized although stable at room temperature for 3 weeks. should be stored desiccated below -20 °C. Upon reconstitution should be stored at 4°C between 2-7 days and for future use below -20°C. Aliquot to avoid repeated freezing and thawing.

### Applications

- Functional Study
- SDS-PAGE

## Gene Info — IL1F9

**Entrez GeneID** [56300](#)

**Protein Accession#** [Q9NZH8](#)

**Gene Name** IL1F9

**Gene Alias** IL-1F9, IL-1H1, IL-1RP2, IL1E, IL1H1, IL1RP2

**Gene Description** interleukin 1 family, member 9

**Omim ID** [605542](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene 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. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq]

**Other Designations** IL-1 related protein 2|IL-1(EPSILON)|IL-1-epsilon|interleukin 1-related protein 2|interleukin-1 epsilon|interleukin-1 homolog 1

## Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)
- [Spondylitis](#)