

## Recombinant Human IL37 Protein, DYKDDDDK-tagged

**Cat. No.** IL37-151H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human interleukin 37(IL37) protein, transcript variant 1(NM_014439), with a DYKDDDDK tag, was expressed in human cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine can bind to, and may be a ligand for interleukin 18 receptor (IL18R1/IL-1Rrp). This cytokine also binds to interleukin 18 binding protein (IL18BP), an inhibitory binding protein of interleukin 18 (IL18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18. This gene along with eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. Five alternatively spliced transcript variants encoding distinct isoforms have been reported. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.7, without any preservatives.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 23.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Applications**

Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

**GENE INFORMATION**
**Gene Name**

IL37 interleukin 37 [ Homo sapiens ]

**Official Symbol**

IL37

**Synonyms**

IL37; interleukin 37; IL1F7, interleukin 1 family, member 7 (zeta); interleukin-37; FIL1; FIL1(ZETA); FIL1Z; IL 1F7; IL 1H4; IL 1RP1; interleukin 1; zeta; interleukin 1 homolog 4; interleukin 1 related protein; FIL1 zeta; IL-1 zeta; IL-1X protein; interleukin-23; interleukin 1, zeta; interleukin-1 homolog 4; interleukin-1 superfamily z; interleukin 1 family member 7; interleukin-1-related protein; IL-1F7b (IL-1H4, IL-1H, IL-1RP1); IL1F7 (canonical product IL-1F7b); IL-1H; IL-37; IL1F7; IL1H4; IL-1F7; IL-1H4; IL1RP1; IL-1RP1;

**Gene ID**

27178

**mRNA Refseq**

NM\_014439

**Protein Refseq**

NP\_055254

**MIM**

605510

**UniProt ID**

Q9NZH6

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA