

## Product datasheet for **TP304638**

### IL37 (NM\_014439) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human interleukin 1 family, member 7 (zeta) (IL1F7), transcript variant 1, 20 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC204638 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)                            |

MSFVGENSGVKMGSEDEWEKDEPQCLEDPAVSPLEPGPSLPAMNFVHTSPKVKNLNPKKFSIHDQDQHKVL  
VLDSGNLIAVPDKNYIRPEIFFALASSLSASAEKGSPIILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKL  
MKLAAQKESARRPFIFYRAQVGSWNMLESAHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFQPVKAE  
MSPSEVSD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

|                |  |
|----------------|--|
| Tag:           | C-Myc/DDK  |
| Predicted MW:  | 23.9 kDa   |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:        | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:        | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:   | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                                     |
| Note:          | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage:       | Store at -80°C.  |
| Stability:     | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.        |
| RefSeq:        | <a href="#">NP_055254</a>  |
| Locus ID:      | 27178  |



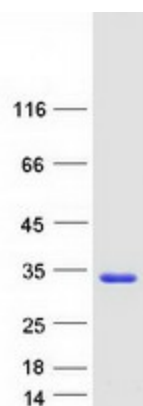
[View online »](#)

UniProt ID: [Q9NZH6](#)  
RefSeq Size: 787  
Cytogenetics: 2q14.1  
RefSeq ORF: 654  
Synonyms: FIL1; FIL1(ZETA); FIL1Z; IL-1F7; IL-1H; IL-1H4; IL-1RP1; IL-23; IL-37; IL1F7; IL1H4; IL1RP1

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified IL37 protein (Cat# TP304638). The protein was produced from HEK293T cells transfected with IL37 cDNA clone (Cat# [RC204638]) using MegaTran 2.0 (Cat# [TT210002]).