

## Product datasheet for PH304638

### IL37 (NM\_014439) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	IL1F7 MS Standard C13 and N15-labeled recombinant protein (NP_055254)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204638
Predicted MW:	24.1 kDa
Protein Sequence:	>RC204638 protein sequence Red=Cloning site Green=Tags(s)  MSFVGENSGVKMGSEDEWEKDEPQCCELDPAVSPLEPGPSLPAMNFVHTSPKVKNLNPKKFSIHDQDHKVL VLDSGNLIAVPDKNYIRPEIFFALASSLSSASAEKGSPIILGVSKGEFCLYCDKDKGQSHPSLQLKKEKL MKLAAQKESARRPFIFYRAQVGSWNMLESAHPGWFICTSCNNEPVGVTDKFENRKHIEFSFQPVCKAE MSPSEVSD  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_055254</a>
RefSeq Size:	787
RefSeq ORF:	654
Synonyms:	FIL1; FIL1(ZETA); FIL1Z; IL-1F7; IL-1H; IL-1H4; IL-1RP1; IL-23; IL-37; IL1F7; IL1H4; IL1RP1
Locus ID:	27178
UniProt ID:	<a href="#">Q9NZH6</a>



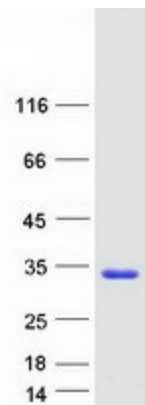
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**Cytogenetics:** 2q14.1

**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]).