

Recombinant Human IL37

Cat. No. IL37-7843H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Interleukin37/IL37 is produced with our E. coli expression system. The target protein is expressed with sequence (Lys53Asp218) of Human IL37.
Species	Human
Source	E.coli
Description	Human Interleukin family 1 Member 7 (IL1F7) is a member of the Interleukin 1 cytokine family. Five alternatively spliced transcript variants encoding distinct isoforms have been reported with distinct expression profiles. The longest IL1F7 transcript, referred to as IL1F7b or IL1F7 isoform 1, encodes a 218 amino acid residues proprotein containing a 45 amino acid propeptide, which is cleaved to generate mature protein. IL1F7b binds to IL18 Ralpha with low affinity but does not exert any IL18 agonistic or antagonistic effects. IL1F7b also binds 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.
Form	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, 2mM DTT, pH 7.4
AA Sequence	First five N terminal amino acids are Met LysAsnLeuAsn
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

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Notes	For research use only.
Storage	Lyophilized protein should be stored at less than 20°C. though stable at room temperature for 3 weeks.Reconstituted protein solution can be stored at 4-7°C. for 2-7 days.Aliquots of reconstituted samples are stable at less than 20°C. for 3 months.
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
Chromosome	2q12-q14.1

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Location**Function**

cytokine activity; interleukin-1 receptor antagonist activity; interleukin-1 receptor binding; interleukin-1 receptor binding;

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