

Recombinant Human IL37 protein

Cat. No. IL37-142H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL37 was expressed in E. coli.
Species	Human
Source	E.coli
Description	Member of the IL-1 family, IL-37 functions to curb excessive inflammation. In partnership with SMAD3, IL-37 suppresses, or reduces, proinflammatory cytokine production, including IL1A and IL6, as well as CCL12, CSF1, CSF2, CXCL13, IL1B, IL23A and IL1RN, but spares anti-inflammatory cytokines. Out of the five isoforms for IL-37 (a-e), this product represents isoform B that is expressed in testis, colon, placenta, lung and lymph node similar to isoform A and C but is the only one found in kidneys.
Form	Lyophilized from a 0.2 µm filtered solution in PBS and DTT
Molecular Mass	19.5 kDa
Endotoxin	<1.0 EU/µg of recombinant protein as determined by the LAL method.
Purity	>95%
Applications	Cell Assay
Storage	The lyophilized protein is stable for at least one year from date of receipt at -70

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 centigrade - 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

Reconstitution Reconstitute at 100 µg/mL in sterile PBS

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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