Recombinant Human IL37 Protein, DYKDDDDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human interleukin 37(IL37) protein, transcript variant 1(NM_014439), with a DYKDDDDK tag, was expressed in human cells.
Species	Human
Source	Human Cells
Description	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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.7, without any preservatives.
Molecular Mass	23.9 kDa
Endotoxin	Endotoxin level is < 0.1 ng/μg of protein (<1EU /μg)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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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

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