

Recombinant Full Length Human IL37 Protein, C-Flag-tagged

Cat. No. IL37-949HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IL37 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian 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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	23.9 kDa
AA Sequence	MSFVGENSEGVKMGSEDWEKDEPQCCELDPAVSPLEPGPSLPAMNFVHTSPKVKNL NPKKFSIHDQDHKVL VLDSGNLIAPDKNYIRPEIFFALASSLSSASAIEKGSPILLGVS KGEFCLYCDKDKGQSHPSLQLKKEKL MKLAAQKESARRPFIFYRAQVGSWNMLES AAHPGWFICTSCNCNEPVGVTDFENRKHIEFSFQPVCKAE MSPSEVSDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	IL37 interleukin 37 [Homo sapiens (human)]
Official Symbol	IL37
Synonyms	FIL1; FIL1Z; IL-1H; IL-23; IL-37; IL1F7; IL1H4; IL-1F7; IL-1H4; IL1RP1; IL-1RP1; FIL1(ZETA)
Gene ID	27178
mRNA Refseq	NM_014439.4
Protein Refseq	NP_055254.2

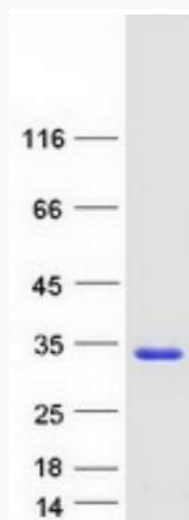
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MIM 605510

UniProt ID Q9NZH6



Coomassie blue staining of purified IL37 protein.

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