Active Recombinant Human IL37 Protein (Lys53-Asp218), C-His tagged, Animal-free, Carrier-free

Cat. No. IL37-124H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL37 Protein (Lys53-Asp218) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Lys53-Asp218
Description	Interleukin-37 (IL-37) consists of 192 amino acids. IL-37 is a member of the interleukin-1 cytokine family. The primary function is binding to the interleukin-18 receptor (IL18R1 /IL-1Rrp) and then becoming a subunit to inhibit the activity of IL-18. This behavior often occurs between various immune responses. It also significantly affects the negative regulation of tumor necrosis factor production.
Form	Lyophilized
Bio-activity	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is < 0.9 μg/mL.
Molecular Mass	The protein has a calculated MW of 19.49 kDa. The protein migrates as 22 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.

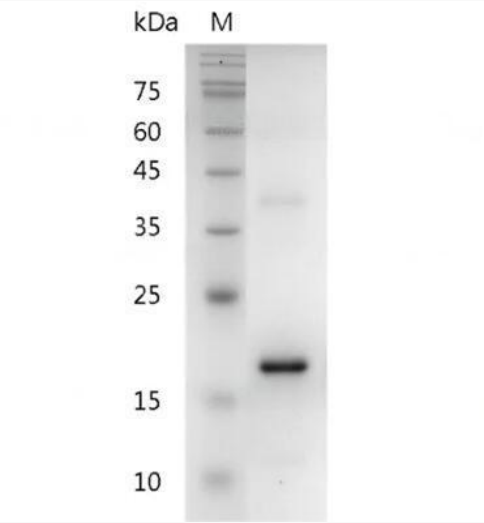
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Purity	>95% as determined by SDS-PAGE analysis.
Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 μg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	IL37 interleukin 37 [Homo sapiens (human)]
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

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mRNA Refseq	NM_014439
Protein Refseq	NP_055254
MIM	605510
UniProt ID	Q9NZH6
SDS-PAGE analysis of recombinant human IL-37.	

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