

# Recombinant Human IL37 Protein (Val46-Asp218), His tagged

Cat. No. IL37-3514H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human IL37 (Val46-Asp218) protein fused with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Val46-Asp218
<b>Description</b>	<p>Interleukin 1 family member 7, or interleukin 37 (IL1F7/IL37/IL-1H4) is a secretory protein belonging to the Interleukin 1 family. IL-1F7 was localized in human peripheral monocytic cells. It has been localized the expression of IL-1F7b protein in discrete cell populations including plasma cells and tumor cells. These data suggest that IL-1F7 may be involved in immune response, inflammatory diseases and/or cancer.</p> <p>Through constructing an adenoviral vector that allows high level expression in murine and human cells, it has been demonstrated that the ability of adenovirus-mediated gene transfer of IL1F7 to induce an IL-12-and Fas ligand-dependent anti-tumor response. Complete inhibition of tumor growth was observed following multiple injections of IL1F7 in the most animals. These results suggest that IL1F7 could play a role in both innate and adaptive immune responses, similar to IL-18. Moreover, IL1F7 could be useful for cancer gene therapy.</p>
<b>Molecular Mass</b>	20.54 kDa
<b>Purity</b>	>90 % as determined by SDS-PAGE.

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<b>Notes</b>	For research use only.
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
<b>Storage Buffer</b>	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">IL37 interleukin 37 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">IL37</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">27178</a>
<b>mRNA Refseq</b>	<a href="#">NM_014439</a>

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**Protein Refseq** NP\_055254

**MIM** 605510

**UniProt ID** Q9NZH6

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