

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

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

SPECIFICATION

Product Overview	Recombinant human IL37 (Val46-Asp218) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val46-Asp218
Description	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. 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.
Molecular Mass	20.54 kDa
Purity	>90 % as determined by SDS-PAGE.

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Notes	For research use only.
Storage	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.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	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

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
mRNA Refseq	NM_014439

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Protein Refseq	NP_055254
MIM	605510
UniProt ID	Q9NZH6

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