

## IL-37 Protein, Human

<b>Cat. No.:</b>	HY-P70455
<b>Synonyms:</b>	Interleukin-37; FIL1 Zeta; IL-1X; Interleukin-1 Family Member 7; IL-1F7; Interleukin-1 Homolog 4; IL-1H; IL-1H4; Interleukin-1 Zeta; IL-1 Zeta; Interleukin-1-Related Protein; IL-1RP1; Interleukin-23; IL-37; IL37; FIL1Z; IL1F7; IL1H4; IL1RP1
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q9NZH6 (K53-D218)
<b>Gene ID:</b>	27178
<b>Molecular Weight:</b>	Approximately 18.0 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           K N L N P K K F S I    H D Q D H K V L V L    D S G N L I A V P D    K N Y I R P E I F F            A L A S S L S S A S    A E K G S P I L L G    V S K G E F C L Y C    D K D K G Q S H P S            L Q L K K E K L M K    L A A Q K E S A R R    P F I F Y R A Q V G    S W N M L E S A A H            P G W F I C T S C N    C N E P V G V T D K    F E N R K H I E F S    F Q P V C K A E M S            P S E V S D         </p>
<b>Biological Activity</b>	2 µg/mL (100 µL/well) of immobilized Human IL-37 can bind Human IL-18RAP-Fc with an ED50 value of 0.5-2.5 µg/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 2 mM DTT, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### REFERENCES

[1]. Lijuan Wang, et al. Interleukin-37: A crucial cytokine with multiple roles in disease and potentially clinical therapy. *Oncol Lett.* 2018 Apr;15(4):4711-4719.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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