PRODUCT INFORMATION

Target	IL-37
Synonyms	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
Description	Recombinant Human Interleukin-37 is produced by our E.coli expression system and the target gene encoding Lys53-Asp218 is expressed.
Delivery	In Stock
Uniprot ID	Q9NZH6
Expression Host	E.coli
Tag	
Molecular Characterization	Not available
Molecular Weight	18.7 KDa
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Formulation & Reconstitution	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 2mM DTT, pH 7.4.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Human Interleukin family 1 Member 7 (IL1F7) is a member of the Interleukin 1 cytokine family. Five alternatively spliced transcript variants encoding distinct isoforms have been reported with distinct expression profiles. The longest IL1F7 transcript, referred to as IL1F7b or IL1F7 isoform 1, encodes a 218 amino acid residues proprotein containing a 45 amino acid propeptide, which is cleaved to generate mature protein. IL1F7b binds to IL18 Ra with low affinity but does not exert any IL18 agonistic or antagonistic effects. IL1F7b also binds interleukin 18 binding protein (IL-18BP), an inhibitory binding protein of interleukin 18 (IL-18), and subsequently forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL-18.
Usage	Research use only
Conjugate	Unconjugated

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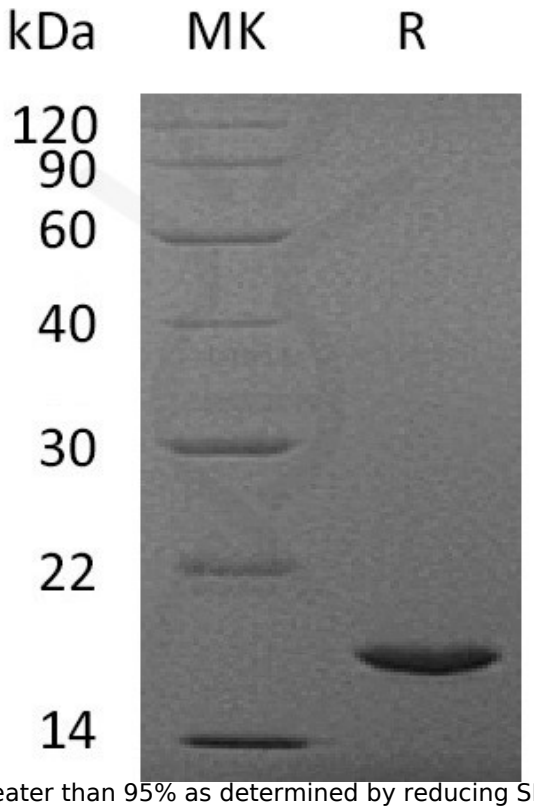


Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

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