

## Product datasheet for **TP724633**

### IL37 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Interleukin-37/IL-37 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	V46-D218
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4
Note:	Recombinant Human Interleukin-37 is produced by E.coli. The target gene encoding V46-D218 is expressed with a 6His tag at the C terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	27178
UniProt ID:	<a href="#">Q9NZH6</a>
Synonyms:	Interleukin-37; FIL1 Zeta; IL-1X; Interleukin-1 Family Member 7; IL-1F7; Interleukin-1Homolog 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
Summary:	Interleukin-1 family 1 member 7 (IL1F7) is a secretory protein that belongs to the Interleukin 1 cytokine family. Several 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, is a suppressor of innate inflammatory and immune responses involved in curbing excessive inflammation. IL1F7b binds to IL18 R? 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.
Protein Families:	Druggable Genome, Secreted Protein



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