

Human IL37 Recombinant Protein



RPPB0688

Product Information Protein Information

Product SKU:

RPPB0688

Accession:

Q9NZH6

Host:

Escherichia Coli.

Protein description:

Interleukin-37 Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 167 amino acids (Lys27-Asp192) and having a molecular mass of 18.6kDa. The IL37 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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, FIL1, FIL1(ZETA).

Formulation:

IL37 was lyophilized from a 0.2µM filtered solution of 20mM PB, 150mM NaCl and 2mM DTT pH 7.4.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to quick spin followed by reconstitution of IL37 in PBS to a concentration no less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IL37 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL-37 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MKLNLPKFKFSIHDQDHKVLVLD SGNLI AVDPDKNYIRPEIFFALASSLSSASAEKGSPILLGVSKGEFCLYCDKDKGQS
HPSLQLKKEKLMKLA AQKESARRPFIFYRAQVGSWNMLESAHPGWFICTSCNCNEPVGVTDFENRKHIEFSFQP
VCKAEMSPSEVSD.

Biological Activity:

As measured by its binding ability in a functional ELISA, immobilized IL1F7 at 1 µg/ml (100 µl/well) can bind rhIL-18 R/Fc Chimera with a linear range of 0.015-1µg/ml.