

IL37 Human

Description:IL37 (IL1F7) Human Recombinant produced in E.Coli is a single, non-glycosylated, Polypeptide chain containing 167 amino acids (Lys53-Asp218) and having a molecular mass of 18.6kDa.The IL-37 (IL-1F7)is purified by proprietary chromatographic techniques.

Catalog #:CYPS-018

For research use only.

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(ZE

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence:The sequence of the first five N-terminal amino acids was determined and was found to be Met-Lys-Asn-Leu-Asn.

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

Formulation:

IL1F7 was lyophilized after extensive dialysis against 20mM Phosphate buffer, pH7.4.

Stability:

Lyophilized IL1F7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL1F7 should be stored at 4°C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to quick spin followed by reconstitution of IL1F7 in PBS to a concentration no less than 100

Introduction:

Human interleukin family 1, member 7 (IL1F7) belongs to the interleukin 1 cytokine family. There are 5 alternatively spliced transcript variants encoding distinct isoforms with distinct expression profiles. The longest IL-1F7 transcript, named IL1F7b or IL1F7 isoform 1, encodes a 218 aa residues proprotein and containing a 45 aa propeptide which is cleaved to produce a mature protein. IL1F7b binds to IL18 Rb with low affinity however it doesn't exert any IL18 agonistic or antagonistic effects. IL1F7b also binds IL18BP (interleukin 18 binding protein), which is an inhibitory binding protein of interleukin 18 (IL18), and afterward forms a complex with IL18 receptor beta subunit, and through which it inhibits the activity of IL18.

Biological Activity:

As measured by its binding ability in a functional ELISA, immobilized IL1F7 at 1

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