

Human IL16 / Interleukin-16 Protein (His Tag)

Catalog Number: 10944-H07E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

LCF; NIL16; prIL-16; PRIL16

Protein Construction:

A DNA sequence encoding the mature form of human IL16 (AAC12732.1) (Pro 2-Ser 130) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 96 % as determined by SDS-PAGE

Bio Activity:

Measured by its ability to bind recombinant human CD4-Fc in a functional ELISA.

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human IL16 consisting of 145 amino acids and has a calculated molecular mass of 15.3 kDa. It migrates as an 24 kDa band in SDS-PAGE under reducing conditions as predicted.

Formulation:

Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

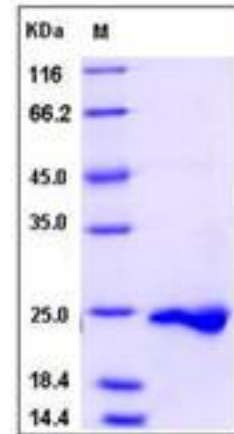
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1. Maciaszek JW, *et al.* (1997) IL-16 represses HIV-1 promoter activity. *J Immunol.* 158(1): 5-8.
2. Zhou P, *et al.* (1997) Human CD4+ cells transfected with IL-16 cDNA are resistant to HIV-1 infection: inhibition of mRNA expression. *Nat Med.* 3(6): 659-64.
3. Theodore AC, *et al.* (1996) CD4 ligand IL-16 inhibits the mixed lymphocyte reaction. *J Immunol.* 157(5): 1958-64.

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