

Recombinant human IL-16 protein

Catalog Number: ILP0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

502-631aa

UniProt No.

Q14005

NCBI Accession No.

NP_004504.3

Alternative Names

Interleukin 16, Lymphocyte chemoattractant factor, LCF, prointerleukin 16, prIL-16

PRODUCT SPECIFICATION

Molecular Weight

15.5 kDa (150aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Interleukin-16 (IL16) is an immunomodulatory cytokine, which induces lymphocyte migration, expression of proinflammatory IL-1beta, IL6 and tumour necrosis factor-alpha (TNFalpha), and modulates apoptosis. This protein is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cytokine is mediated by CD4. Also, several central nervous system diseases and may play a role in promoting inflammatory responses. Recombinant human IL16, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography

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techniques.

Amino acid Sequence

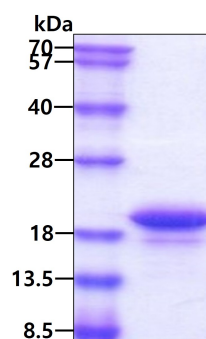
<MGSSHHHHHH SSGLVPRGSH> MPDLNSSTDS AASASAASDV SVESTAEATV CTVTLEKMSA GLGFSLEGGK
GSLHGDKPLT INRIFKGAAS EQSETVQPGD EILQLGGTAM QGLTRFEAWN IIKALPDGPV TIVIRRKSLQ SKETTAAGDS

General References

Bernstein HB., et al. (2006) J Immunol. 177(6):3669-76.
McFadden C J., et al. (2007) J Immunol. 179(10):6439-45.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.