

# Recombinant human IL-16 protein

Catalog Number: ATGP3017

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

502-631aa

### UniProt No.

Q14005

### NCBI Accession No.

NP\_004504

### Alternative Names

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

## PRODUCT SPECIFICATION

---

### Molecular Weight

13.3 kDa (130aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4)

### Purity

> 90% by SDS-PAGE

### Tag

Non-Tagged

### 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 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. It primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor and ligand for CD4. Recombinant human IL16 was expressed in E. coli and purified by using conventional chromatography techniques

### Amino acid Sequence

MPDLNSSTDS AASASAASDV SVESTAEATV CTVTLEKMSA GLGFSLEGGK GSLHGDKPLT INRIFKGAAS EQSETVQPGD

# Recombinant human IL-16 protein

Catalog Number: ATGP3017

EILQLGGTAM QGLTRFEAWN IIKALPDGPV TIVIRRKSLQ SKETTAAGDS

## General References

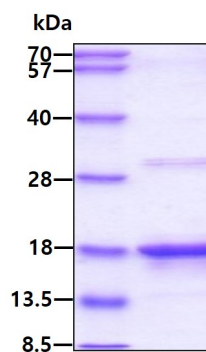
Bannert N., et al. (2003) J. Biol. Chem. 278:42190-42199

Burkard T.R. et al.(2011) BMC Syst. Biol. 5:17-17

## DATA

---

### SDS-PAGE



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