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## Datasheet for ABIN7320577 IL16 Protein (His tag)

### Overview

Quantity:	50 µg
Target:	IL16
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL16 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Mouse Interleukin-16/IL-16 Protein (His Tag)
Sequence:	Ser1205-Ser1322
Characteristics:	Recombinant Mouse Interleukin-16 is produced by our E.coli expression system and the target gene encoding Ser1205-Ser1322 is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	IL16
Alternative Name:	Interleukin-16/IL-16 ( <a href="#">IL16 Products</a> )
Background:	Background: Mouse interleukin-16(IL-16) is a single chain non-glycosylated polypeptide. IL-16 is widely expressed in human tissues including spleen, thymus, lymph nodes, peripheral leukocytes, bone marrow and cerebellum. IL-16 plays an important role instimulating a

## Target Details

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migratory response in CD4+ lymphocytes, monocytes, and eosinophils, inducing T-lymphocyte expression of interleukin 2 receptor. It was originally identified as a CD8+ T cell-derived chemoattractant for CD4+ cells. In addition to its chemotactic properties, IL-16 has also been shown to suppress HIV-1 replication in vitro and appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. It may act as a scaffold for GABPB1 (the DNA-binding subunit the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells.

Synonym: Pro-interleukin-16, Interleukin-16, Lymphocyte chemoattractant factor, LCF

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Molecular Weight: 14.5 kDa

UniProt: [O54824](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.