

## Product datasheet

# Recombinant human IL-16 protein ab9564

### 製品の概要

製品名	Recombinant human IL-16 protein
タンパク質長	Protein fragment

### 製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
アクセッション番号	Q14005
生物種	Human
配列	PDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAG LGFSLEGGKG SLHGDKPLTINRIFKGAASEQSETVQPGDEILQLGGTAMQ GLTRFEAWNI IKALPDGPVTIVIRRKSLQSKETTAAGDS

### 特性

Our [Abpromise guarantee](#) covers the use of **ab9564** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	SDS-PAGE Functional Studies
エンドトキシン・レベル	< 0.100 Eu/μg
製品の状態	Lyophilised
備考	The biological activity of this product is determined by its ability to chemoattract human CD4 positive T lymphocytes using a concentration range of 1.0-100 ng/ml.

### 前処理および保存

保存方法および安定性	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 5.50 Constituents: 0.147% Sodium citrate, 0.0077% DTT This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## 再構成

Reconstitute with distilled water to achieve desired concentration.

## 関連情報

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### 機能

Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes, and eosinophils. Primes CD4+ T-cells for IL-2 and IL-15 responsiveness. Also induces T-lymphocyte expression of interleukin 2 receptor. Ligand for CD4.

Isoform 1 may act as a scaffolding protein that anchors ion channels in the membrane.

Isoform 3 is involved in cell cycle progression in T-cells. 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. 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.

### 組織特異性

Isoform 3 is expressed in hemopoietic tissues, such as resting T-cells, but is undetectable during active T cell proliferation.

### 配列類似性

Contains 4 PDZ (DHR) domains.

### 翻訳後修飾

Isoform 3 is synthesized as a chemo-attractant inactive precursor in hemopoietic tissues and is proteolytically cleaved by caspase-3 to yield IL-16.

### 細胞内局在

Cytoplasm; Cytoplasm. Nucleus and Secreted.

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**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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