

Product datasheet

Recombinant human IL16 protein ab9564

製品の概要

製品名	Recombinant human IL16 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	PDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLEGGKG SLHGDKPLTINRIFKGAASEQSETVQPGDEILQLGGTAMQGLTRFEAWNI 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. Preservative: None Constituents: 5mM Sodium citrate, 0.5mM DTT, pH 5.5
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

Reconstitute with distilled water to achieve desired concentration.

関連情報

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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