

Datasheet for ABIN2830868

IL16 Protein

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL16
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func)

Product Details

Sequence:	SAASASAASD ISVESKEATV CTVTLEKTS A GLGFSLEGGK GSLHGDKPLT INRIFKGTEQ GEMVQPGDEI LQLAGTAVQG LTRFEAWNVI KALPDGPVTI VIRRTSLQCK QTTASADS
Characteristics:	Biological Activity: Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral T lymphocytes is in a concentration range of 1.0-100 ng/mL.
Purity:	>98 % as determined by SDS-PAGE and HPLC.
Sterility:	0.2 µm filtered

Target Details

Target:	IL16
Alternative Name:	IL16 (IL16 Products)
Background:	Relevance: Interleukin-16 stimulates a migratory response in CD4+ lymphocytes, monocytes,

Target Details

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 2 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.

Synonyms: IL-16, LCF,]

Molecular Weight: 12.2 kDa

UniProt: [O54824](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C