

# IL-16

Catalog # PVGS1300

## Product Information

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**Primary Accession Sequence** [Q14005](#)  
Ser<sup>1212</sup>-Ser<sup>1332</sup> (accession number: Q14005).

**Purity** > 95% as analyzed by SDS-PAGE and HPLC.

**Endotoxin Level**

## Additional Information

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**Gene ID** 3603

**Other Names** Pro-interleukin-16, Interleukin-16, IL-16, Lymphocyte chemoattractant factor, LCF, IL16

**Target Background** Interleukin-16 (IL-16), Human

## Protein Information

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**Name** IL16

**Function** 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 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 of the GABP transcription factor complex) and HDAC3 thus maintaining transcriptional repression and blocking cell cycle progression in resting T-cells.

**Cellular Location** [Interleukin-16]: Secreted. [Isoform 3]: Cytoplasm. Nucleus.

**Tissue Location** [Isoform 3]: Expressed in hemopoietic tissues, such as resting T-cells, but undetectable during active T-cell proliferation

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.