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IL-16

Catalog # PVGS1300

Product Information

Primary Accession	Q14005
Sequence	Ser^{1212}-Ser^{1332} (accession number: Q14005).
Purity	> 95% as analyzed by SDS-PAGE and HPLC.
Endotoxin Level	

Additional Information

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

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 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

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