



Pro-interleukin-16, cleaved, Recombinant, Rhesus Macaque

Catalog number

348206

Supplier

United States Biological

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 (By similarity). {ECO:0000250}.; Pro-interleukin-16 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 (By similarity). {ECO:0000250}.

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 1.0-100ng/ml.

Sequence

SAASASAASD VSVESAEAT VYVTLEKMS AGLGFSLEGG KGSLHGDKPL TINRIFKGAA SEQSETIQPG
DEILQLAGTA MQGLTRFEAW NIIKALPDGP VTIVIRKSL QPKETTAAD S

Molecular Weight

12.5kD

PubMed ID

9510557

Gene Name

IL16

Swiss Prot

O62675

Storage and Stability

Lyophilized powder may be stored at -20°C. Stable for 12 months at -20°C. Reconstitute with sterile PBS. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Formulation

Lyophilized from 0.2um filtered PBS, pH 7.4



Purity

≥98% as determined by SDS-PAGE and HPLC.

Grade

Highly Purified

Storage

-20°C

MW

12.5

Antigen Modification

Recombinant, Rhesus Macaque, E. coli