

Datasheet for ABIN2723625

IL16 Protein (Transcript Variant 3)[Go to Product page](#)**1** Image

Overview

Quantity:	10 µg
Target:	IL16
Protein Characteristics:	Transcript Variant 3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func), Antibody Production (AbP), Standard (STD), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human Interleukin-16 / IL16 (transcript variant 3) protein expressed in E. coli. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	> 95 % as determined by SDS-PAGE and Coomassie blue staining
Endotoxin Level:	< 0.1 EU per µg protein as determined by LAL test
Biological Activity Comment:	Specific Activity is greater than 1.0 x 10 ⁴ IU/mg as determined by the ability of Recombinant IL-16 to chemoattract human CD4 ⁺ T lymphocytes using a concentration range of 10.0-100.0 ng/ml

Target Details

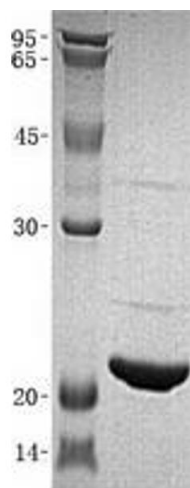
Target:	IL16
Alternative Name:	Interleukin-16,il16 (IL16 Products)
Background:	Isoform 3 is involved in cell cycle progression in T-cells. Appears to be involved in transcriptional regulation of SKP2 and is probably part of a transcriptional repression complex on the core promoter of the SKP2 gene. May 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. [UniProtKB/Swiss-Prot Function]
Molecular Weight:	13.3 kDa
NCBI Accession:	NP_001165599

Application Details

Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Buffer:	Lyophilized from a 0.2 µM filtered solution of 20 mM Phosphate buffer, 150 mM NaCl, pH 7.0. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot