

Datasheet for ABIN7520159 IL16 Protein (His tag)



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Overview

Quantity:	100 µg
Target:	IL16
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL16 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human IL-16 Protein
Sequence:	PDLNSSTDSA ASASAASDVS VESTAEATVC TVTLEKMSAG LGFSLEGGKG SLHGDKPLTI NRIFKGAASE QSETVQPGDE ILQLGGTAMQ GLTRFEAWNI IKALPDGPVT IVIRKSLQS KETTAAGDS
Specificity:	Pro2-Ser130
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL16 at 5 µg/mL (100 µL/well) can bind Recombinant human CD4 with a linear range of 0.2-1 µg/mL.

Target Details

Target:	IL16
Alternative Name:	IL-16 (IL16 Products)
Background:	<p>Description: The protein is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The biological activities ascribed to IL-16 are reported to be dependent on the cell surface expression of CD4, suggesting that IL-16 is a CD4 ligand. Besides its chemotactic properties, IL-16 has also been shown to suppress HIV-1 replication in vitro. Recombinant E. coli-derived IL-16 produced at is present mostly as a monomer, exhibits chemotactic activity for lymphocytes at high concentrations, lacks chemotactic activities for monocytes, and binds the extracellular domain of CD4 with low affinity.</p> <p>Name: IL16,LCF,NIL16,PRIL16,prIL-16</p>
Gene ID:	3603
UniProt:	Q14005

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>