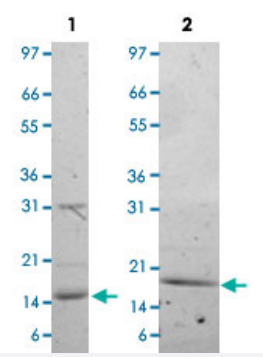
Bioactive

IL16 (Human) Recombinant Protein

Catalog # P4563 Size 10 ug

Applications



Lane 1: non-reducing conditions
Lane 2: reducing conditions

Result of activity analysis

Result of activity analysis

Human T cells were allowed to migrate to human IL16 at (0, 5, 20, 100 and 500 ng/mL). After 4 hours, cells that migrated were counted using a luminescent substrate and displayed on the bar graph above.

Specification

Product Description	Human IL16 (AAC12732) recombinant protein expressed in *Escherichia coli*.
Sequence	MPDLNSSTDSAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLEGGKGSLHGDKPLTINRIF KGAASEQSETVQPGDEILQLGGTAMQGLTRFEAWNIIKALPDGPVTIVIRRKSLQSKETTAAGDS
Host	Escherichia coli
Theoretical MW (kDa)	13.5
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Endotoxin Level	< 0.1 EU/ug

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Activity	The activity is determined by the ability to chemoattract human T lymphocytes and is detectable starti ng at 5 ng/mL.
Quality Control Testing	1 ug/lane in 4-20% Tris-Glycine gel Stained with Coomassie Blue Lane 1: non-reducing conditions Lane 2: reducing conditions
Storage Buffer	Lyophilized 10 mM Na_2PO_4, pH 7.5.
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis Human T cells were allowed to migrate to human IL16 at (0, 5, 20, 100 and 500 ng/mL). After 4 hours , cells that migrated were counted using a luminescent substrate and displayed on the bar graph abo ve.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL16

Entrez GeneID	3603
Protein Accession#	AAC12732
Gene Name	IL16
Gene Alias	FLJ16806, FLJ42735, FLJ44234, HsT19289, IL-16, LCF, prIL-16
Gene Description	interleukin 16 (lymphocyte chemoattractant factor)
Omim ID	603035
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a pleiotropic cytokine that functions as a chemoattractant, a modulator of T cell activation, and an inhibitor of HIV replication. The signaling process of this cyto kine is mediated by CD4. The product of this gene undergoes proteolytic processing, which is fou nd to yield two functional proteins. The cytokine function is exclusively attributed to the secreted C-terminal peptide, while the N-terminal product may play a role in cell cycle control. Caspase 3 is re ported to be involved in the proteolytic processing of this protein. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000190849|OTTHUMP00000190850|interleukin 16|lymphocyte chemoattractant fac tor

Disease

- Asthma
- Biliary Tract Neoplasms
- Bronchiolitis
- Carcinoma
- Cardiovascular Diseases
- Celiac Disease
- Chronic Disease
- Colorectal Neoplasms
- Dermatitis
- Diabetes Mellitus
- DNA Damage
- Edema
- Endometriosis
- Esophagitis
- Genetic Predisposition to Disease
- Graves Disease
- Hepatitis C
- Hypersensitivity

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- Infant
- Inflammation
- Kidney Neoplasms
- Leukemia
- Liver Failure
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Nasopharyngeal Neoplasms
- Pain
- Periodontitis
- Prostate cancer
- Prostatic Neoplasms
- Pulmonary Disease
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Stomach Neoplasms

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