Bioactive

IL16 (Human) Recombinant Protein

Catalog # P8352 Size 2 x 10 ug

Specification

Product Description	Human IL16 (Q14005, 1212 a.a. - 1332 a.a.) partial recombinant protein expressed in *Escherichia coli*.
Sequence	SAASASAASDVSVESTAEATVCTVTLEKMSAGLGFSLEGGKGSLHGDKPLTINRIFKGAASEQSE TVQPGDEILQLGGTAMQGLTRFEAWNIIKALPDGPVTIVIRRKSLQSKETTAAGDS
Host	Escherichia coli
Theoretical MW (kDa)	12.4
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by SDS-PAGE
Activity	Determined by the ability to chemoattract human CD4+ T-Lymphocytes using a concentration range of 50.0 - 100.0 ng/mL.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — IL16

Entrez GeneID	3603
Protein Accession#	Q14005
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
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

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- DNA Damage
- Edema
- Endometriosis
- Esophagitis
- Genetic Predisposition to Disease
- Graves Disease
- Hepatitis C
- Hypersensitivity
- 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

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- Stomach Neoplasms

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