

Bioactive

IL17A (Human) Recombinant Protein

Catalog # P3631

Size 25 ug

Specification

Product Description	Human IL17A (Q16552, 20 a.a. - 134 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i>
Sequence	IPTEIPTSALVKETLALLSTHRTLILANETLRIPVPVHKNHQLCTEEIFQGIGTLESQTVQGGTVERLFLK NLSLIKKYIDGQKKKCGEERRRVNQFLDYLQEFGLGVMNTEWIIES
Host	Escherichia coli
Theoretical MW (kDa)	16
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ion exchange column and HPLC reverse phase column
Purity	> 90% by SDS-PAGE and HPLC
Endotoxin Level	< 0.1 ng/ug (1 EU/ug)
Activity	The ED ₅₀ was determined by the dose-dependent proliferation of induction of IL-6 in primary human foreskin fibroblasts was found to be approximately 2 ng/mL., corresponding to a specific activity of <5 x 10 ⁵ units/mg.
Storage Buffer	Lyophilized from PBS, pH 7.5
Storage Instruction	Store at -20°C on dry atmosphere for 2 years. After reconstitution with deionized water, store at 4°C for 1 month or store at -20°C for 6 months. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

- SDS-PAGE

Gene Info — IL17A

Entrez GeneID	3605
Protein Accession#	Q16552
Gene Name	IL17A
Gene Alias	CTLA8, IL-17, IL-17A, IL17
Gene Description	interleukin 17A
Omim ID	603149
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a proinflammatory cytokine produced by activated T cells. This cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cytokine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhance the production of nitric oxide (NO). High levels of this cytokine are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. [provided by RefSeq]
Other Designations	OTTHUMP00000016597 cytotoxic T-lymphocyte-associated antigen 8 cytotoxic T-lymphocyte-associated protein 8 cytotoxic T-lymphocyte-associated serine esterase 8 interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Arthritis](#)
- [Asthma](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Colitis](#)

- [Disease Progression](#)
- [Dyspepsia](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Infant](#)
- [Inflammation](#)
- [Multiple Sclerosis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)