

Bioactive

IL17A/F (Human) Recombinant Protein

Catalog # P8369

Size 2 x 10 ug

Specification

Product Description	Human IL17A/F (Q16552, 19 a.a. - 155 a.a., Q96PD4, 30 a.a. - 163 a.a.) partial recombinant protein expressed in <i>Escherichia coli</i> .
Sequence	MIVKAGITIPRNP GCPNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYNRSTSPWNLHRNEDPER YPSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVGCTCVTPV HHVAMRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVSMSRNIESRSTSPWNYTVTWDP NRYPSEVVQAQCRNLGCINAQGKEDISMNSVPIQQETLVVRRKHQGC SVSFQLEKVLVTVGCTC VTPVIHHVQ
Host	<i>Escherichia coli</i>
Theoretical MW (kDa)	30.7
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 95% by SDS-PAGE
Activity	The activity as determined by production of IL-6 from mouse 3T3 cells is 3.2 ng/mL (3.1 x 10 ⁵ units/mg).
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water up to 1 mg/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

Gene Info — IL17A

Entrez GeneID	3605
Protein Accession#	Q16552 Q96PD4
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)

Gene Info — IL17F

Entrez GeneID	112744
Protein Accession#	Q16552 Q96PD4
Gene Name	IL17F
Gene Alias	IL-17F, ML-1, ML1
Gene Description	interleukin 17F
Omim ID	606496
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a cytokine that shares sequence similarity with IL17. This cytokine is expressed by activated T cells, and has been shown to stimulate the production of several other cytokines, including IL6, IL8, and CSF2/GM-CSF. This cytokine is also found to inhibit the angiogenesis of endothelial cells and induce endothelial cells to produce IL2, TGFB1/TGFB, and monocyte chemoattractant protein-1. [provided by RefSeq]

Other Designations

cytokine ML-1

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Arthritis](#)
- [Arthritis](#)
- [Asthma](#)
- [Asthma](#)
- [Behcet Syndrome](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Dyspepsia](#)
- [Dyspepsia](#)
- [Edema](#)

- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Helicobacter Infections](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)