Bioactive

IL17A/IL17F (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 *Escherichia coli*.
Sequence	MIVKAGITIPRNPGCPNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYYNRSTSPWNLHRNEDPER YPSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVGCTCVTPIV HHVAMRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVSMSRNIESRSTSPWNYTVTWDP NRYPSEVVQAQCRNLGCINAQGKEDISMNSVPIQQETLVVRRKHQGCSVSFQLEKVLVTVGCTC VTPVIHHVQ
Host	Escherichia coli
Theoretical MW (kDa)	30.7
Form	Lyophilized
Preparation Method	*Escherichia coli* 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	For long term storage, aliquot and store at -20°C to -80°C. Upon reconstitution Human IL-17A/F should be stored at 4°C between 2-7 days Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- 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. Thi s cytokine regulates the activities of NF-kappaB and mitogen-activated protein kinases. This cyto kine can stimulate the expression of IL6 and cyclooxygenase-2 (PTGS2/COX-2), as well as enhan ce the production of nitric oxide (NO). High levels of this cytokine are associated with several chro nic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis. [provid ed by RefSeq
Other Designations	OTTHUMP00000016597|cytotoxic T-lymphocyte-associated antigen 8|cytotoxic T-lymphocyte-as sociated 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

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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

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- 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

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