

Bioactive

IL17A (Human) Recombinant Protein

Catalog # P7454 Size 10 ug

Specification

Product Description	Human IL17A (Q16552, 20 a.a. - 155 a.a.) partial recombinant protein with His tag expressed in CHO cells.
Sequence	MKAGITIPRNP GCPNSEDKNFPRTVMVNLNIHNRNTNTNPKRSSDYNNRSTSPWNLHRNEDPERY PSVIWEAKCRHLGCINADGNVDYHMNSVPIQQEILVLRREPPHCPNSFRLEKILVSVGCTCVTPVH HVA
Host	Mammals
Theoretical MW (kDa)	14 ~ 22
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ ug of protein (gel clotting method)
Activity	ED ₅₀ < 10.0 ng/mL, measured by the ability to induce IL-6 secretion by NIH 3T3 mouse embryonic fibroblast cells, corresponding to a specific activity of > 1.0 × 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 PBS. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 ug/mL.
Storage Instruction	Store at 4°C for 1 week. For long term storage 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
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](#)