

Interleukin-17A Active Protein | IL 17A active protein

Recombinant Human Interleukin-17A

CATALOG #
AAA38132

HOST
E Coli

PRODUCT SYNONYMS

Interleukin-17A; Recombinant Human Interleukin-17A; IL 17 Human; Interleukin-17 Human Recombinant; CTLA-8; IL-17; IL-17A; Cytotoxic T-lymphocyte-associated antigen 8; IL 17A active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered lyophilized (freeze-dried) powder, with 20mM Citrate, 0.1M NaCl, pH4.5. Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence Length	155
Solubility	It is recommended to reconstitute the lyophilized Interleukin 17 in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods1. UV spectroscopy at 280 nm using the absorbency value of 1.13 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics). 2. Analysis by RP-HPLC, using a standard solution of IL-17 as a Reference Standard.
Biological Activity	The ED50 as determined by the dose-dependent induction of IL-6 in Hs68 cell line was found to be approximately 2ng/ml corresponding to a Specific Activity of 500,000IU/mg.
Preparation and Storage	Lyophilized Interleukin 17A although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution IL17 should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL 17A active protein	Description: Interleukin-17A Human Recombinant produced in E Coli is a homodimeric, non-glycosylated polypeptide chain containing a total of 264 amino acids (2 chains of 132 aa) and having a molecular mass of 31kDa. The IL-17 is purified by proprietary chromatographic techniques. Introduction: IL17 is a proinflammatory cytokine produced by activated T cells. IL-17 regulates the activities of NF-kappaB and mitogen-activated protein kinases. Interleukin-17 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 IL-17 are associated with several chronic inflammatory diseases including rheumatoid arthritis, psoriasis and multiple sclerosis.
Product Categories/Family for IL 17A active protein	Cytokines and Growth Factors; Cytokines; Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504651
NCBI GeneID	3605

NCBI Accession #	NP_002181.1
NCBI GenBank Nucleotide #	NM_002190.2
UniProt Accession #	Q16552; Q5T2P0
Molecular Weight	17,504 Da
NCBI Official Full Name	interleukin-17A
NCBI Official Synonym Full Names	interleukin 17A
NCBI Official Symbol	IL17A
NCBI Official Synonym Symbols	IL17; CTLA8; IL-17; IL-17A
NCBI Protein Information	interleukin-17A; CTLA-8; cytotoxic T-lymphocyte-associated antigen 8; cytotoxic T-lymphocyte-associated protein 8; interleukin 17 (cytotoxic T-lymphocyte-associated serine esterase 8)
UniProt Protein Name	Interleukin-17A
UniProt Gene Name	IL17A
UniProt Synonym Gene Names	CTLA8; IL17; IL-17; IL-17A; CTLA-8
UniProt Entry Name	IL17_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-il-17a-active-protein/interleukin-17a/38132>