

IL17A active protein

Recombinant Human IL17A

CATALOG #
AAA214233

HOST
E Coli

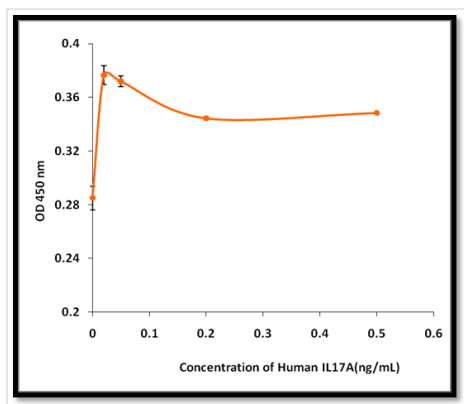
PRODUCT SYNONYMS

IL17A; Recombinant Human IL17A; IL-17; CTLA-8; IL-17A; Cytotoxic T-lymphocyte-associated antigen 8; Recombinant Human Interleukin-17A (IL17A); IL17A active protein

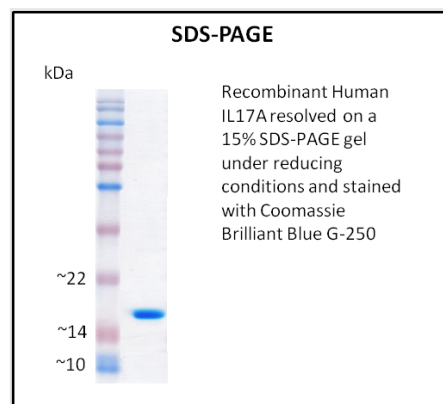
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in PBS (pH 7.5)
Sequence Length	155
Bioactivity	The ED(50), as determined by the dose-dependent proliferation of induction of IL6 in primary human foreskin fibroblasts was found to be approximately 2.0 ng/mL, corresponding to a specific activity of $> 5.0 \times 10^5$ units/mg
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IL17A active protein	The founding member of the IL17 family of cytokines, IL17A plays an important role in antimicrobial and chronic inflammation. All the six IL17 cytokines (IL17A-F) share a cystine knot fold and are secreted as homodimers. Mature human IL17A shares 60% amino acid sequence identity with rat and mouse IL17A. IL17 cytokines bind to two receptors; IL17RA and IL17RC that together form a heterodimer. The receptor heterodimer is preferred by IL17 ligands, and thus, either IL17RA or IL17RC knockouts completely abolish IL17 signalling. Recombinant human IL17A is a non-glycosylated, 32 kDa disulfide-linked homodimer.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504651
NCBI GeneID	3605
NCBI Accession #	NP_002181.1
NCBI GenBank Nucleotide #	NP_002181.1
UniProt Accession #	Q16552
Molecular Weight	16.0 kDa
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; CTLA-8; IL-17A
NCBI Protein Information	interleukin-17A
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.