

IL21 active protein

IL21 protein

CATALOG # AAA75599	HOST E.coli
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PRODUCT SYNONYMS

IL21; IL21 protein; Za11 protein; Interleukin 21 protein; IL 21; IL-21; IL 21 protein; IL-21 protein; IL21 active protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95.0% by SDS-PAGE
Form/Format	Lyophilized powder from PBS, pH7.4. Reconstitute in sterile 18 Momega-cm H2O to not less than 100ug/ml which can then be diluted further with aqueous solutions.
Concentration	10ug, lyophilized (varies by lot)
Sequence Length	162
Protein Type	Recombinant
Biological Significance	IL-21 is produced by CD4+ T cells in response to antigenic stimulation. Its action enhances antigen-specific responses of immune cells. The biological effects of IL-21 include induction of differentiation of T-cells-stimulated B-cells into plasma cells and memory B-cells, stimulation (in conjunction) with IL-4 of IgG production, and induction of apoptotic effects in na?ve B-cells and stimulated B-cells in the absence of T-cell signaling. Additionally, IL-21 promotes the anti-tumor activity of CD8+ T-cells and NK cells. IL-21 exerts its effect through binding to a specific type I cytokine receptor, IL-21R, which also contains the gamma chain (
Bioactivity	ED50 = 1.0-10 ng/ml, determined by the dose-dependant proliferation of human peripheral blood mononuclear cells.
Biohazard	Use appropriate laboratory precautions when handling this product.
Preparation and Storage	Ships ambient or refrigerated. After receipt, store at 4 degree C for short term, -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for IL21 active protein	Purified recombinant Human IL21 protein
Product Categories/Family for IL21 active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	11141875
NCBI GeneID	59067
NCBI Accession #	NP_068575.1
NCBI GenBank Nucleotide #	NM_021803.3
UniProt Accession #	Q9HBE4 ; A5J0L4
Molecular Weight	15,463 Da

NCBI Official Full Name	interleukin-21 isoform 1
NCBI Official Synonym Full Names	interleukin 21
NCBI Official Symbol	IL21
NCBI Official Synonym Symbols	Za11; IL-21; CVID11
NCBI Protein Information	interleukin-21
UniProt Protein Name	Interleukin-21
UniProt Gene Name	IL21
UniProt Synonym Gene Names	IL-21
UniProt Entry Name	IL21_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-active-protein/il21/75599>