

IL-21 active protein

Recombinant Animal Free Human IL-21 Protein

CATALOG # AAA48978	HOST E coli	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

IL-21; Recombinant Animal Free Human IL-21 Protein; Interleukin-21; IL-21 active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4)
Concentration	0.25mg/ml (determined by absorbance at 280nm) (varies by lot)
Sequence Positions	30-162aa
Sequence	MQGQDRHMIR MRQLDIVDQ LKNYVNDLVP EFLPAPEDVE TNCEWSAFSC FQKAQLKSAN GNNERIINVS IKKLKRKPPS TNAGRRQKHR LTCPSCDSYE KKPPKEFLER FKSLLQKMIH QHLSRTHGS EDS
Applicable Applications for IL-21 active protein	Bioactivity, SDS-PAGE
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for IL-21 active protein	IL-21, also known as Interleukin-21, is a T-helper cytokine that regulates humoral immunity and cell-mediated anti-tumor responses. It has broad immunoregulatory activity and can modulate both humoral and cell-mediated responses. It is important in the regulation of haematopoiesis and immune responses, and can influence lymphocyte development. It is produced by activated T cell, and it influences proliferation of T and B cells and cytolytic activity of natural killer cells. It may be a critical factor in the control of persistent viral infections. It has a potential predicating significance for survival Time in patients in the development of sporadic CRC. It binds to the IL-21R and can activate janus kinase JAK1, JAK3, STAT1, and STAT3 in EDgamma-16 cells. Recombinant human IL-21, was expressed in E coli and purified by using conventional chromatography techniques. Produced using non-animal reagents in an animal-free laboratory
Product Categories/Family for IL-21 active protein	Signal Transduction , Hormones & Cytokines ; Proteins
References	Gui G., et al. (2017) Clin Immunol. 183:266-272. Parrish-Novak J., et al. (2000) Nature. 408(6808):57-63.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11141875
NCBI GeneID	59067
NCBI Accession #	NP_068575

NCBI GenBank Nucleotide #	NM_021803.3
UniProt Accession #	Q9HBE4 ; A5J0L4
Molecular Weight	18 kDa
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; interleukin-21 isoform
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/il-21/48978>