

IL-7 recombinant protein

Human IL-7 Protein

CATALOG #
AAA47609

HOST
E coli

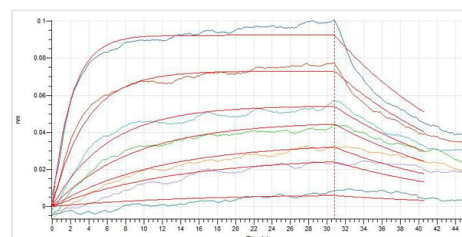
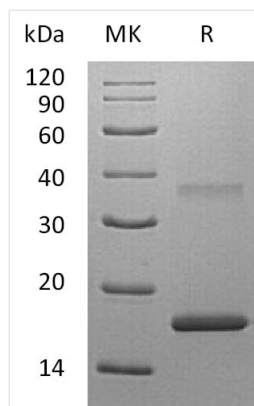
PRODUCT SYNONYMS

IL-7; Human IL-7 Protein; Interleukin-7; IL7; IL-7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Affinity purification Greater than 95% as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PB, 300mM NaCl, pH 8.0.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).

IMAGES

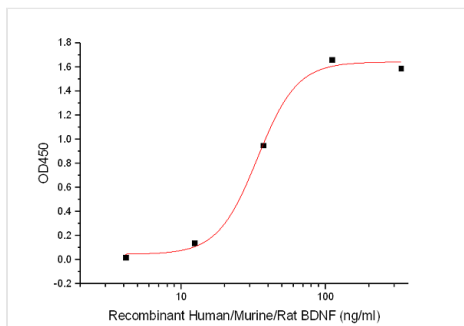


ELISA

Figure 1. Greater than 95% as determined by reducing SDS-PAGE.

SDS-PAGE

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ELISA

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ADDITIONAL INFORMATION

Related Product Information for IL-7 recombinant protein	Recombinant Human Interleukin-7 is produced by our E coli expression system and the target gene encoding Asp26-His177 is expressed. Human Interleukin 7 (IL-7) is a potent lymphoid cell growth factor stimulating the proliferation of lymphoid progenitors. IL7 can associate with the hepatocyte growth factor (HGF) to form a hybrid cytokine that functions as a pre-pro-B cell growth-stimulating factor. Human IL7 cDNA encodes a 177 amino acid precursor protein containing a 25 amino acid signal peptide and a 152 amino acid mature protein. Human and mouse IL7 share 65% sequence identity in the mature region and both exhibit cross-species activity. IL-7 signals via IL-7 receptor (IL7R) activating multiple pathways including Jak/STAT and PI3K/AKT, which regulate lymphocyte survival, glucose uptake, proliferation, and differentiation. IL-7 is also associated with cytoplasmic IL2-R gamma for signal transduction.
Product Categories/Family for IL-7 recombinant protein	ECD 1182 ; ECD Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	315467871
NCBI GeneID	3574
NCBI Accession #	NP_001186817.1
NCBI GenBank Nucleotide #	NM_001199888.1
UniProt Accession #	P13232 ; Q5FBY5 ; Q5FBY9 ; A0N0L3
Molecular Weight	20,187 Da
NCBI Official Full Name	interleukin-7 isoform 4
NCBI Official Synonym Full Names	interleukin 7
NCBI Official Symbol	IL7
NCBI Official Synonym Symbols	IL-7
NCBI Protein Information	interleukin-7
UniProt Protein Name	Interleukin-7
UniProt Gene Name	IL7
UniProt Synonym Gene Names	IL-7
UniProt Entry Name	IL7_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/il7-recombinant-protein-e-coli/47609>