

IL2 active protein

Recombinant Rat IL2

CATALOG #
AAA214344

HOST
E Coli

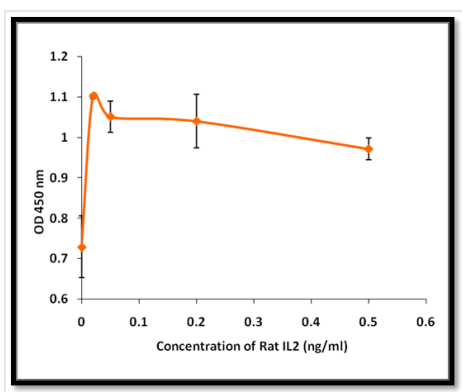
PRODUCT SYNONYMS

IL2; Recombinant Rat IL2; T-cell growth factor; IL2 active protein

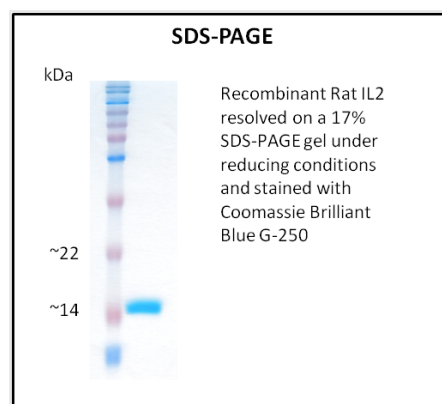
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in ammonium acetate and glycerol (with BSA as a carrier protein)
Sequence Length	155
Bioactivity	The ED50 was 0.04-0.2 ng/mL as determined by a cell proliferation assay
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
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 IL2 active protein

Rat IL2, also known as T-cell growth factor, is a secreted immunoregulatory cytokine produced by T-cells due to antigenic or mitogenic stimulation. IL2 binds to the IL2 receptor, which is found in T and B cells and natural killer cells, and is composed of three distinct components: the cytokine specific alpha-chain, and the beta-and gamma-subunits. Its receptor complex IL2 induces the proliferation of T cells, generation of cytotoxic T lymphocytes (CTLs), proliferation and synthesis of immunoglobulin by B cells, and the survival of natural killer cells. Its heterotrimeric receptor complex is also shared by Interleukin 4 (IL4) and Interleukin 7 (IL7) by its gamma chain, and receptor signalling is essential for its expression and differentiation of regulatory T cells in the immune response.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758692
NCBI GeneID	116562
NCBI Accession #	NP_446288.1
NCBI GenBank Nucleotide #	NP_446288.1
UniProt Accession #	P17108
Molecular Weight	15.6 kDa
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; IL-2; TCGF
UniProt Entry Name	IL2_RAT

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/il2/214344>