

IL2 active protein

Recombinant Human IL2

CATALOG #
AAA214235

HOST
E Coli

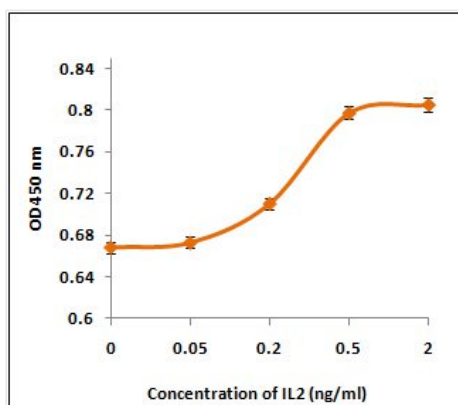
PRODUCT SYNONYMS

IL2; Recombinant Human IL2; IL-2; T-cell growth factor; TCGF; Recombinant Human Interleukin-2 (IL2); IL2 active protein

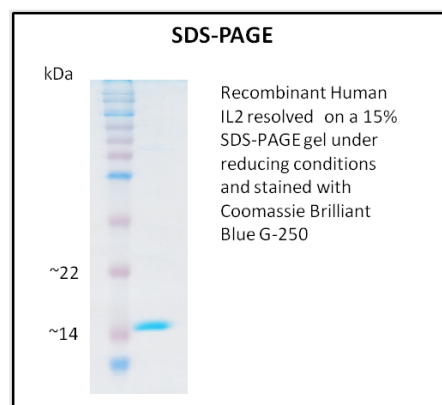
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered solution in Tris and NaCL (pH 8.0)
Sequence Length	153
Bioactivity	The ED50 as determined by the dose dependent proliferation of human T cells was found to be less than 0.5 ng/mL equivalent to 0.8×10^4 IU/ug as calibrated against International standard.
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 IL2 active protein	A helical bundle of 4 alpha-helices, IL2 is an immunoregulatory cytokine that is expressed by CD4+/CD8+ T cells, gammadelta T cells, B cells, eosinophils and dendritic cells. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine-activated killer cells, monocytes, macrophages and oligodendrocytes. While Human IL2 shares 56% and 66% amino acid sequence identity with mouse and rat IL2, respectively only human and mouse IL2 exhibit cross-species activity. Characteristically, IL2 exerts both autocrine and paracrine activity on T cells. In a regulatory role, IL2 is important for the development, survival, and function of regulatory T cells, it enhances Fas-mediated activation-induced cell death, and it inhibits the development of inflammatory Th17 cells. Recombinant Human IL2 is a non-glycosylated polypeptide that contains one intrachain disulfide bond.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	28178861
NCBI GeneID	3558
NCBI Accession #	NP_000577.2
NCBI GenBank Nucleotide #	NP_000577.2
UniProt Accession #	P60568
Molecular Weight	15.0 kDa
NCBI Official Full Name	interleukin-2
NCBI Official Synonym Full Names	interleukin 2
NCBI Official Symbol	IL2
NCBI Official Synonym Symbols	IL-2; TCGF; lymphokine
NCBI Protein Information	interleukin-2
UniProt Protein Name	Interleukin-2
UniProt Gene Name	IL2
UniProt Synonym Gene Names	IL-2; TCGF
UniProt Entry Name	IL2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il2/214235>