

Product datasheet

Recombinant human IL-2 protein (Active) ab9619

Description

Product name	Recombinant human IL-2 protein (Active)
Biological activity	The ED₅₀ , as determined by the dose-dependent stimulation of murine CTLL-2 cells, is ≤ 0.1 ng/ml, corresponding to a specific activity of $\geq 1 \times 10^7$ units/mg.
Purity	≥ 98 % SDS-PAGE. ≥ 98 % HPLC analyses. Sterile filtered.
Endotoxin level	< 1.000 Eu/ μ g
Expression system	Escherichia coli
Accession	<u>P60568</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLAQSKNFH LRPRDLISNI NVVLELKGS ETTFMCEYAD ETATMEFLN RWITFAQSII STLT
Predicted molecular weight	16 kDa
Amino acids	21 to 153
Additional sequence information	Full length mature protein, without the signal peptide. This protein also includes an initiator methionine.

Specifications

Our **Abpromise guarantee** covers the use of **ab9619** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	HPLC Functional Studies SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Constituent: 0.29% Sodium citrate This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Centrifuge the vial prior to opening. Reconstitute in 100 mM Acetic Acid to a concentration of 0.1-1.0 mg/ml. This solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.
General Info	
Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.
Involvement in disease	Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.
Sequence similarities	Belongs to the IL-2 family.
Cellular localization	Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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