9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1391: IL2 Yeast Recombinant Protein

Alternative Name : Interleukin-2,T-cell growth factor (TCGF),Aldesleukin,Lymphokine,IL-2.

Description

Source : Pichia pastoris. Interleukin-2 Human Recombinant produced in yeast is a single, glycosylated polypeptide chain containing 134 amino acids and having a molecular mass of 14 kDa. The IL-2 is purified by proprietary chromatographic techniques. IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.

Product Info

Amount :	10 µg
Purification :	Greater than 98% as determined by SDS-PAGE.
Content :	The protein was lyophilized from a 0.2µm filtered solution in 20mM sodium phosphate buffer pH 7.0 in absence of any carrier protein.
Storage condition :	Lyophilized Interleukin-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution Interleukin-2 should be stored at 4C between 2-7 days and for future use below -18C. Please prevent freeze-thaw cycles.
Amino Acid :	A P T S S S T K K T Q L Q L E H L L L D L Q M I L N G I N N Y K N P K L T R M L T F K F Y M P K K A T E L K H L Q C L E E E L K P L E E V L N L A Q S K N F H L R P R D L I S N I N V I V L E L K G S E T T F M C E Y A D E T A T I V E F L N R W I T F C Q S I I S T L T.

Application Note

It is recommended to reconstitute the lyophilized Interleukin-2 in sterile 18M-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The biological activity is determined by the dose dependent proliferation of mouse CTLLÃ¢â□¬â□□2 cells. Optimal concentration for individual application should be determined by a dose response assay. ED50 range = 0.08Ã¢â□¬â□□0.5ng/ml

For Research Use Only. Not for use in diagnostic/therapeutics procedures.