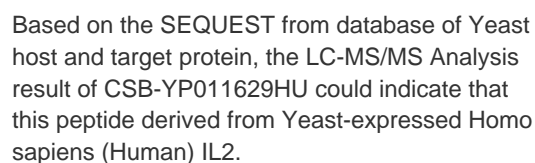
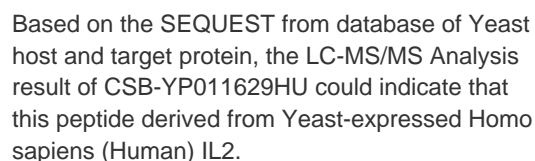




Recombinant Human Interleukin-2 (IL2)

Product Code	CSB-YP011629HU
Relevance	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.
Abbreviation	Recombinant Human IL2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P60568
Alias	T-cell growth factor ;TCGFINN: Aldesleukin
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	APTSSSTKKTQLQLEHLLLDLQMILNGINNYKNPKLTRMLTFKFYMPKKATELK HLQCLEEELKPLEEVLNLAQSKNFHLRPRDLISNINVIVLELKGSETTFMCEYAD ETATIVEFLNRWITFCQSIISTLT
Research Area	Immunology
Source	Yeast
Target Names	IL2
Protein Names	Recommended name: Interleukin-2 Short name= IL-2 Alternative name(s): T-cell growth factor Short name= TCGF INN= Aldesleukin
Expression Region	21-153aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	17.4kDa
Protein Length	Full Length of Mature Protein
Image	



Advance your immunology research with the high-quality Recombinant Human IL2 protein, a crucial cytokine known for its pivotal role in T-cell activation, differentiation, and proliferation. IL2 has been extensively studied for its involvement in the immune system, particularly in modulating the balance between effector and regulatory T-cells, which is vital for a healthy immune response.

Our Recombinant Human IL2 protein features the full length of the mature protein (21-153 amino acids) to ensure optimal bioactivity and functionality. Expressed in yeast, this protein is equipped with an N-terminal 6xHis-tag for easy purification and detection without affecting the native structure or biological activity of the protein. With a purity of greater than 90% as determined by SDS-PAGE, our Recombinant Human IL2 protein delivers consistent and reliable results, supporting your research efforts with confidence. Select from liquid or lyophilized powder forms to suit your experimental needs.

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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