

Recombinant Full Length Hamster IL2 Protein, His tagged

Cat. No. IL2-18H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Hamster IL2 Protein, Sourced from E.coli, Met1-Gln155, with C-terminal His Tag.
Species	Hamster
Source	E.coli
ProteinLength	1-155 aa
Description	Interleukin-2 (IL-2) is a cytokine signaling molecule that regulates white blood cells. It is produced primarily by T cells after activation by an antigen. IL-2 signals through the IL-2 receptor which leads to the activation of at least 2 major signaling pathways which mediate cell growth, survival, activation induced cell death and differentiation. A pro-inflammatory cytokine, IL-2 activates T cells to produce TNFα as well as IFNγ and controls immune response by contributing to the development of regulatory T cells. Therefore IL-2 plays an important role in antigen specific immune responses.
Form	Lyophilized from 1 $\times$ PBS with Trehalose
Molecular Mass	17.6 kDa
Purity	>99% by SDS-PAGE
Applications	ELISA and Western Blot Analysis

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	2 years at -20 to -80 centigrade as supplied. 1 month at 4 centigrade after reconstitution with preservative. 1 year at -20 to -80 centigrade after reconstitution. For long-term storage, store for up to 2 years at -20 centigrade and 5 years at -80 centigrade after reconstitution. Expiration is 2 years from date of receipt.
Shipping	Ambient
Reconstitution	Reconstitute in 25 µL in sterile PBS containing at least 0.1% protein.
GENE INFORMATION	
Gene Name	IL2 interleukin 2 [<i>Mesocricetus auratus</i> (golden hamster)]
Official Symbol	IL2
Synonyms	IL2; interleukin 2; IL-2; interleukin-2
Gene ID	101835410
mRNA Refseq	NM_001281629
Protein Refseq	NP_001268558
UniProt ID	B3VBJ5

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SDS-PAGE

118kDa-
98kDa-
62kDa-
49kDa-
38kDa-
28kDa-
14kDa-
6kDa-



Hamster IL-2 (2 μ g) on a Coomassie stained 4-12% SDS-PAGE gel, reducing conditions.

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