

Human IL-2, Animal-Free Recombinant Protein, PeproTech®

Product Details

Size	50 µg
Species	Human
Published Species	Bovine, Mouse, Human
Expression system	E. coli
Amino acid sequence	MAPTSSSTKK TQLQLEHLLL DLQMILNGIN NYKNPKLTRM LTFKFYMPKK ATELKHLQCL EEELKPLEEV LNLAQSKNFH LRPRDLISNI NVIVLELKGS ETTFMCEYAD ETATIVEFLN RWITFAQSII STLT
Molecular weight	15.5 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<0.1 EU/µg
Activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine CTLL-2 cells is 0.1 ng/ml, corresponding to a specific activity of 1×10^7 units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	115 Publications
Miscellaneous PubMed (Misc)	-	7 Publications

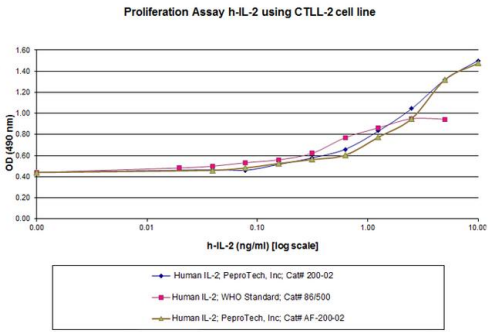
Product Specific Information

Recombinant Human IL-2 is a 15.5 kDa protein, containing 134 amino acid residues including one intrachain disulfide bond.

This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Human IL-2, Animal-Free Recombinant Protein, PeproTech®

Human IL-2, Animal-Free Protein (AF-200-02-50UG) in Functional WHO Comparison of Human IL-2, Animal-Free Recombinant Protein, PeproTech® (Product # AF-200-02-1MG).



In vitro Assay (115)

<p>Cell discovery</p> <p>Single-cell RNA sequencing reveals the heterogeneity of liver-resident immune cells in human.</p> <p>Authors: Zhao J,Zhang S,Liu Y,He X,Qu M,Xu G,Wang H,Huang M,Pan J,Liu Z,Li Z,Liu L,Zhang Z</p>	<p>Year 2023</p> <p>Species Human</p>
<p>Frontiers in immunology</p> <p>Expression of TRX1 optimizes the antitumor functions of human CAR T cells and confers resistance to a pro-oxidative tumor microenvironment.</p> <p>"AF-200-02 was used in Cell Culture to show that TRX1 is pivotal for T cell redox homeostasis."</p> <p>Authors: Balta E,Janzen N,Kirchgessner H,Toufaki V,Orlik C,Liang J,Lairikyengbam D,Abken H,Niesler B,Müller-Decker K,Ruppert T,Samstag Y</p>	<p>Year 2023</p> <p>Species Human</p>

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Miscellaneous PubMed (7)

<p>Biomedicines</p> <p>(Auto)Antibody Responses Shape Memory NK Cell Pool Size and Composition.</p> <p>"AF-200-02 was used in Cell Culture to identify opsonizing antibodies as a host-dependent factor that shapes HCMV-driven memory NK cell compartment."</p> <p>Authors: Capuano C,Pighi C,Battella S,Pulcinelli F,Santoro C,Ferretti A,Turriziani O,De Federicis D,Fionda C,Sciumè G, Galandrini R,Palmieri G</p>	<p>Year 2022</p> <p>Species Human</p>
<p>mAbs</p> <p>A T cell redirection platform for co-targeting dual antigens on solid tumors.</p> <p>"AF-200-02 was used in Cell Culture to engineer the Dual Antigen T cell Engager to enable T cell activity to specific solid cancer cell features."</p> <p>Authors: Enderle L,Shalaby KH,Gorelik M,Weiss A,Blazer LL,Paduch M,Cardarelli L,Kossiakoff A,Adams JJ,Sidhu SS</p>	<p>Year 2021</p> <p>Species Human</p>

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