

Human IL-3 Recombinant Protein, PeproTech®

Product Details

Size	2 µg
Species	Human
Published Species	Virus, Non-human primate, Hamster, Mouse, Human
Expression system	E. coli
Amino acid sequence	APMTQTTSK TSWVNCSNMI DEIITHLKQP PLPLDFNNL NGEDQDILME>NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYKLTLEN AQAQQTTLSL AIF
Molecular weight	15 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	The ED50 as determined by the dose-dependent stimulation of the proliferation of human TF-1 cells is 0.1 ng/ml, corresponding to a specific activity of 1 x 10 ⁷ units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Neutralization (Neu)	-	1 Publication
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	374 Publications
Miscellaneous PubMed (Misc)	-	42 Publications

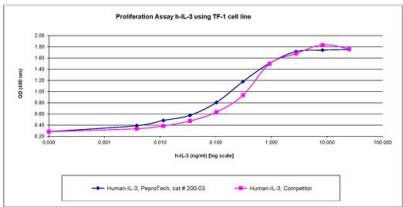
Product Specific Information

Recombinant Human IL-3 is a 15.0 kDa globular protein containing 133 amino acid residues.

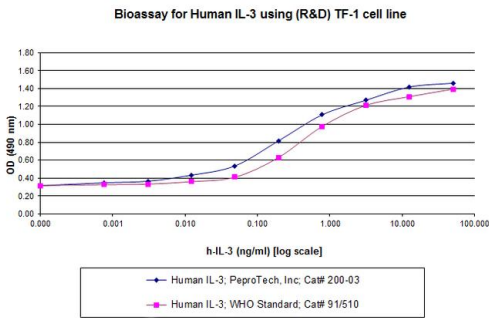
This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

Product Images For Human IL-3 Recombinant Protein, PeproTech®

Human IL-3 Protein (200-03-2UG) in Functional
Bioassay analysis of Human IL-3 Recombinant Protein, PeproTech® (Product # 200-03-1MG).



Human IL-3 Protein (200-03-2UG) in Functional
WHO Comparison of Human IL-3 Recombinant Protein, PeproTech® (Product # 200-03-1MG).



Neutralization (1)

Blood Multidirectional interactions are bridging human NK cells with plasmacytoid and monocyte-derived dendritic cells during innate immune responses. Authors: Della Chiesa M,Romagnani C,Thiel A,Moretta L,Moretta A	Year 2006 Species Human
--	--

In vitro Assay (374)

Cell death & disease Venetoclax triggers sublethal apoptotic signaling in venetoclax-resistant acute myeloid leukemia cells and induces vulnerability to PARP inhibition and azacitidine. "200-03 was used in Cell Culture to identify a new vulnerability in acquired venetoclax-resistant AML cells and identify PARP inhibition as a potential therapeutic approach to overcome acquired venetoclax resistance in AML." Authors: Tambe M,Unterberger S,Kriegbaum MC,Vänttinen I,Olgac EJ,Vähä-Koskela M,Kontro M,Wennerberg K, Heckman CA	Year 2024 Species Human
---	--

Nature Tuberculosis in otherwise healthy adults with inherited TNF deficiency. "200-03 was used in Cell Culture to report two adults with recurrent pulmonary tuberculosis who are homozygous for a private loss-of-function TNF variant." Authors: Arias AA,Neehus AL,Ogishi M,Meynier V,Krebs A,Lazarov T,Lee AM,Arango-Franco CA,Yang R,Orrego J, Corcini Berndt M,Rojas J,Li H,Rinchai D,Erazo-Borrás L,Han JE,Pillay B,Ponsin K,Chaldebas M,Philippot Q,Bohlen J, Rosain J,Le Voyer T,Janotte T,Amarajeewa K,Soudée C,Brollo M,Wiegmann K,Marquant Q,Seeleuthner Y,Lee D,Lainé C,Kloos D,Bailey R,Bastard P,Keating N,Rapaport F,Khan T,Moncada-Vélez M,Carmona MC,Obando C,Alvarez J, Cataño JC,Martínez-Rosado LL,Sánchez JP,Tejada-Giraldo M,L'Honneur AS,Agudelo ML,Perez-Zapata LJ,Arboleda DM,Alzate JF,Cabarcas F,Zuluaga A,Pelham SJ,Ensser A,Schmidt M,Velásquez-Lopera MM,Jouanguy E,Puel A, Krönke M,Ghirardello S,Borghesi A,Pahari S,Boisson B,Pittaluga S,Ma CS,Emile JF,Notarangelo LD,Tangye SG,Marr N,Lachmann N,Salvator H,Schlesinger LS,Zhang P,Glickman MS,Nathan CF,Geissmann F,Abel L,Franco JL, Bustamante J,Casanova JL,Boisson-Dupuis S	Year 2024 Species Human
---	--

[View more IV references on thermofisher.com](#)

Miscellaneous PubMed (42)

iScience Targeting histone methylation to reprogram the transcriptional state that drives survival of drug-tolerant myeloid leukemia persists. "200-03 was used in Cell Culture to reveal plasticity of anthracycline resistance in AML cells and highlight the potential of transcriptional reprogramming by epigenetic-based therapeutics to target chemotherapy-resistant AML cells." Authors: van Gils N,Verhagen HJMP,Broux M,Martiáñez T,Denkers F,Vermue E,Rutten A,Csikós T,Demeyer S,Çil M,AI M,Cools J,Janssen JJWM,Ossenkoppele GJ,Menezes RX,Smit L	Year 2022 Species Human
--	--

[View more Misc references on thermofisher.com](#)

More applications with references on thermofisher.com

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.