

# 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	APMTQTTSLK TSWVNCNMI DEIITHLKQP PLPLLDFFNNL NGEDQDILME>NNLRRPNLEA FNRAVKSLQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYFKTLEN 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 <sup>7</sup> units/mg.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20°C

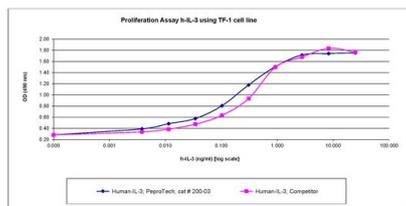
Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Neutralization (Neu)	-	1 Publication
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	374 Publications
Miscellaneous PubMed (Misc)	-	42 Publications

## Product Specific Information

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

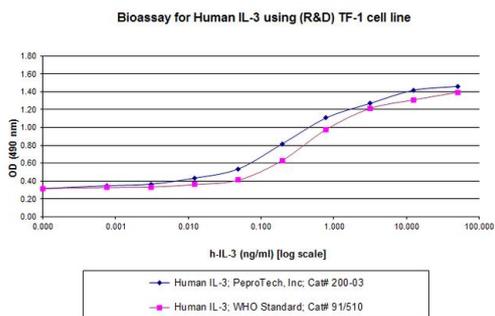
This product is shipped at ambient temperature. For storage, handling and reconstitution information, please see the lot-specific Certificate of Analysis

# 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,Amarajeeva 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

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## 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,Al M,Cools J,Janssen JJWM,Ossenkoppele GJ,Menezes RX,Smit L

Year  
2022

Species  
Human

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