

Human IL-7 Recombinant Protein, PeproTech®

Product Details

Size	10 µg
Species	Human
Published Species	Dog, Rabbit, Rat, Non-human primate, Virus, Hamster, Human, Mouse
Expression system	E. coli
Amino acid sequence	MDCDIEGKDG KQYESVLMVS IDQLLDSTMKE IGSNCLNNEF NFFKRHICDA NKEGMFLFRA ARKLRQFLKM NSTGDFDLHL LKVSEGTTIL LNCTGQVKGR KPAALGEAQP TKSLEENKSL KEQKKLNDLC FLKRLLEIK TCWNKILMGT KEH
Molecular weight	17.5 kDa
Class	Recombinant
Type	Protein
Purity	98% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	The ED50 was determined by the dose-dependent stimulation of the proliferation of murine 2E8 cells is 0.5 ng/ml, corresponding to a specific activity of 2 x 10 ⁶ 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	-
Functional Assay (Functional)	Assay-dependent	-
In vitro Assay (IV)	-	300 Publications
Miscellaneous PubMed (Misc)	-	23 Publications

Product Specific Information

200-07-1MG will be provided as 2 x 500 µg (200-07-500UG).

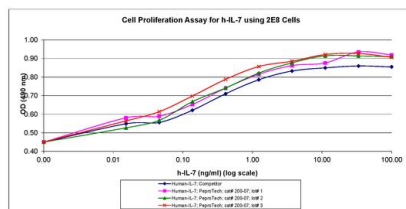
Recombinant Human IL-7 is a 17.5 kDa protein containing 153 amino acid residues.

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-7 Recombinant Protein, PeproTech®

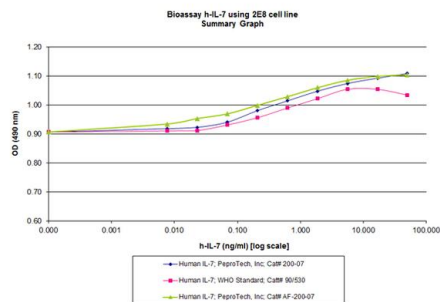
Human IL-7 Protein (200-07-10UG) in Functional

Bioassay analysis of Human IL-7 Recombinant Protein, PeproTech® (Product # 200-07-1MG).



Human IL-7 Protein (200-07-10UG) in Functional

WHO Comparison of Human IL-7 Recombinant Protein, PeproTech® (Product # 200-07-1MG).



In vitro Assay (300)

iScience

Decoding human bone marrow hematopoietic stem and progenitor cells from fetal to birth.

"200-07 was used in Cell Culture to elucidate the dynamics of fetal hematopoiesis in preparation for birth, offering valuable insights into the pathological processes underlying leukemia."

Authors: Xie X,Gou F,Zheng Z,Zhang Y,Zhang Y,Dong F,Cheng T,Cheng H

Year
2024

Species
Mouse

Developmental cell

Lineage-tracing hematopoietic stem cell origins in vivo to efficiently make human HLF+ HOXA+ hematopoietic progenitors from pluripotent stem cells.

"200-07 was used in Cell Culture to non-invasive genetic lineage tracing in mouse embryos pinpoints that artery endothelial cells generate hematopoietic stem cells."

Authors: Fowler JL,Zheng SL,Nguyen A,Chen A,Xiong X,Chai T,Chen JY,Karigane D,Banuelos AM,Niizuma K,Kayamori K,Nishimura T,Cromer MK,Gonzalez-Perez D,Mason C,Liu DD,Yilmaz L,Miquero L,Porteus MH,Luca VC,Majeti R,Nakauchi H,Red-Horse K,Weissman IL,Ang LT,Loh KM

Year
2024

Species
Human

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

Miscellaneous PubMed (23)

Frontiers in cell and developmental biology

Adipocyte-mediated epigenomic instability in human T-ALL cells is cytotoxic and phenocopied by epigenetic-modifying drugs.

"200-07 was used in Sample Preparation (FC/FACS) to investigate T-cell acute lymphoblastic leukemia relationship with obesity in murine models."

Authors: Lee M,Geitgey DK,Hamilton JAG,Boss JM,Scharer CD,Spangle JM,Haynes KA,Henry CJ

Year
2022

Species
Human

JCI insight

JAK inhibitor blocks COVID-19 cytokine-induced JAK/STAT/APOL1 signaling in glomerular cells and podocytopathy in human kidney organoids.

"200-07 was used in Cell Culture to investigate mechanisms of COVID-19 associated nephropathy."

Authors: Nystrom SE,Li G,Datta S,Soldano KL,Silas D,Weins A,Hall G,Thomas DB,Olabisi OA

Year
2022

Species
Human

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

More applications with references on thermofisher.cn

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