

# Human IL-23 Recombinant Protein, PeproTech®

## Product Details

Size	50 µg
Species	Human
Published Species	Human, Mouse
Expression system	Insect cells
Amino acid sequence	p19 subunit: RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP LVGHMDLREE GDEETTNDVP HIQCGDGCDF QGLRDNSQFC LQRIHQGLIF YEKLLGSDIF TGEPSLLPDS PVGQLHASLL GLSQLLQPEG HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAARV FAHGAATLSP p40 subunit: IWELKKDVYV VELDWPDPAP GEMVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSL LLHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAE EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS
Molecular weight	53.5 kDa
Class	Recombinant
Type	Protein
Purity	95% by SDS-PAGE gel and HPLC analyses.
Endotoxin concentration	<1 EU/µg
Activity	Measured by its ability to induce IL-17 secretion by mouse splenocytes.
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)	-	81 Publications
Miscellaneous PubMed (Misc)	-	3 Publications

## Product Specific Information

200-23-1MG will be provided as 2 x 500 µg (200-23-500UG).

Recombinant Human IL-23 is a 53.5 kDa, heterodimeric protein consisting of the two subunits, p19 (170 amino acids) and p40 (306 amino acids).

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

In vitro Assay (81)

<p>International journal of biological sciences</p> <p><b>Targeting Aquaporin-3 Attenuates Skin Inflammation in Rosacea.</b></p> <p>"200-23 was used in Cell Culture to reveal that AQP3-mediated activation of NF-B in keratinocytes and activation of STAT3 in CD4+ T cells acted synergistically and contributed to the inflammation in rosacea."</p> <p>Authors: Chen M,Peng Q,Tan Z,Xu S,Wang Y,Wu A,Xiao W,Wang Q,Xie H,Li J,Shi W,Deng Z</p>	<p>Year 2023</p> <p>Species Human</p>
<p>Immunity</p> <p><b>Interleukin-3 coordinates glial-peripheral immune crosstalk to incite multiple sclerosis.</b></p> <p>"200-23 was used in Cell Culture to establish IL-3:IL-3RA as a glial-peripheral immune network that prompts immune cell recruitment to the CNS and worsens MS."</p> <p>Authors: Kiss MG,Mindur JE,Yates AG,Lee D,Fullard JF,Anzai A,Poller WC,Christie KA,Iwamoto Y,Roudko V,Downey J, Chan CT,Huynh P,Janssen H,Ntranos A,Hoffmann JD,Jacob W,Goswami S,Singh S,Leppert D,Kuhle J,Kim-Schulze S, Nahrendorf M,Kleinstiver BP,Probert F,Roussos P,Swirski FK,McAlpine CS</p>	<p>Year 2023</p> <p>Species Mouse</p>

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Miscellaneous PubMed (3)

<p>Viruses</p> <p><b>Host Cell Redox Alterations Promote Latent HIV-1 Reactivation through Atypical Transcription Factor Cooperativity.</b></p> <p>"200-23 was used in Cell Culture to suggest that manipulation of redox-sensitive pathways could be exploited to alter the course of HIV-1 latency, thus rendering host cells responsive to help achieve a sterilizing cure."</p> <p>Authors: Cruz-Lorenzo E,Ramirez NP,Lee J,Pandhe S,Wang L,Hernandez-Doria J,Spivak AM,Planelles V,Petersen T, Jain MK,Martinez ED,D'Orso I</p>	<p>Year 2022</p> <p>Species Human</p>
<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p><b>Pathogenic Role of an IL-23/T17/Neutrophil Axis in Cocksackievirus B3-Induced Pancreatitis.</b></p> <p>Authors: Yan K,Yang J,Qian Q,Xu D,Liu H,Wei L,Li M,Xu W</p>	<p>Year 2019</p> <p>Species Mouse</p>

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