

TECHNICAL DATA SHEET

Recombinant Human IL-17B (Carrier-Free)

Catalog Number: 21-9129

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human IL-17B (Carrier-Free)

DESCRIPTION

IL-17B is a disulfide-linked homodimer of two 161 amino acid polypeptide chains. It belongs to the IL-17 family of structurally-related cytokines that share a highly conserved C-terminal region, but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17B is expressed by T-cells, and has been shown to stimulate release of TNF-alpha and IL-1beta from cells of the monocyte lineage.

MOLECULAR MASS

Recombinant Human IL-17B is a 36.6 kDa non-disulfide-linked homodimer of two 161 amino acid polypeptide chains.

AMINO ACID SEQUENCE

MQPRSPKSKR KGQGRPGPLA PGPHQVPLDL VSRMKPYARM EEYERNIEEM VAQLRNSSEL AQRKCEVNLQ LWMSNKRSLSPWGYSINHDP SRIPVDLPEA RCLCLGCVNP FTMQEDRSMV SVPVFSQVPV RRRLCPPPPR TGPCRQRAVM ETIAVGCTCI F

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Content Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/µg of protein (<1EU/µg).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

N/A

BIOACTIVITY

Determined by its ability to induce IL-8 in human PBMCs using a concentration range of 10ng-100ng. Please Note: Results may vary with PBMC donors.

RESEARCH AREAS

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Silacci, M. Linker length matters, fynomer-Fc fusion with an optimized linker displaying picomolar IL-17A inhibition potency.2014. The Journal of Biological Chemistry; 289(20):14392-8.

Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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