

**TECHNICAL DATA SHEET**

**Recombinant Human IL-17D (Carrier-Free)**

Catalog Number: 21-9128

**RPx-Pro™ Recombinant Protein**  
**PRODUCT INFORMATION**

**CONTENTS**

Recombinant Human IL-17D (Carrier-Free)

**DESCRIPTION**

IL-17D is a disulfide-linked homodimer of two 185 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-17D has the ability to stimulate the production of IL-6, IL-8 and GM-CSF, and inhibits hemopoiesis of myeloid progenitor cells in colony-forming assays.

**MOLECULAR MASS**

Recombinant Human IL-17D is a 40.5 kDa disulfide-linked homodimer of two 185 amino acid polypeptide chains.

**AMINO ACID SEQUENCE**

APRAGRRPAR PRGCADRPEE LLEQLYGRLA AGVLSAFHHT LQLGPREQAR NASCPAGGRP ADRRFRPPTN LRSVSPWAYR ISYDPARYPR  
 YLPEAYCLCR GCLTGLFGEE DVRFRSAPVY MPTVVLRRTP ACAGGRSVYT EAYVTIPVGC TCVPEPEKDA DSINSSIDKQ GAKLLLGPND APAGP

**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**

Mouse

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Bones, Skeletal, Cartilage

**RECONSTITUTION**

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

**REFERENCES**

Xu, L. Positive and negative transcriptional regulation of the Foxp3 gene is mediated by access and binding of the Smad3 protein to enhancer I. 2010. *Immunity*; 33(3):313-25. Nguyen, H.V. The Ets-1 transcription factor is required for Stat1-mediated T-bet expression and IgG2a class switching in mouse B cells. 2012. *Blood*; 119(18):4174-81.

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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