

TECHNICAL DATA SHEET

Recombinant Human TWEAK Receptor (Carrier-Free)

Catalog Number: 21-9183

RPx-Pro™ Recombinant Protein PRODUCT INFORMATION

CONTENTS

Recombinant Human TWEAK Receptor (Carrier-Free)

DESCRIPTION

TWEAKR belongs to the TNF family of transmembrane proteins, and contains a cytoplasmic "death domain", which can activate a cell's apoptotic machinery. It is expressed in the spleen, thymus, peripheral blood lymphocytes, colon, and small intestine. Signal transduction by TWEAKR can be activated by either membrane-anchored or soluble TWEAK.

MOLECULAR MASS

Recombinant Human soluble TWEAKR is a 53 amino acid polypeptide (5.6 kDa) comprising the entire extracellular domain of the full-length TWEAKR protein.

AMINO ACID SEQUENCE

EQAPGTAPCS RGSSWSADLD KCMDCASCRA RPHSDFCLGC AAAPPAPFRL LWP

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 inhibit TWEAK-induced weak cell death of HT29 cells. The expected ED50 for this effect is 1.0-3.0 μg/ml.

RESEARCH AREAS

Receptors, TNF Superfamily, Cancer

RECONSTITUTION

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

REFERENCES

Lu JJ, Wang Q, Xie LH, Zhang Q, Sun SH. Tob Induc Dis. 2017 Nov 9;15:43. doi: 10.1186/s12971-017-0148-5. Liu Q, Xiao S, Xia Y. Mediators Inflamm. 2017;2017:6746870. doi: 10.1155/2017/6746870.

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.

For Research Use Only.

Not for use in diagnostic or therapeutic procedures. Not for resale. Not for distribution without written consent. Tonbo Biosciences will not be held responsible for patent infringement or other violations that may occur with the use of our products. Tonbo Biosciences, Tonbo Biosciences Logo and all other trademarks are the property of Tonbo Biotechnologies Corporation. © 2013 Tonbo Biosciences.