

TECHNICAL DATA SHEET

Recombinant Human PAF-AH (Carrier-Free)

Catalog Number: 21-9211

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human PAF-AH (Carrier-Free)

DESCRIPTION

Platelet Activating Factor (PAF) is a biologically active phospholipid, which exerts primarily proinflammatory activities by specifically signaling through G-protein-coupled receptors on platelets, neutrophils, and monocytes.

MOLECULAR MASS

Recombinant Human PAF-AH is a 420 amino acid glycoprotein which migrates with an apparent molecular mass of 47-55 kDa by SDS-PAGE analysis. Recombinant Human PAF-AH has a calculated, theoretical molecular weight of 47.8 kDa.

AMINO ACID SEQUENCE

FDWQYINPVA HMKSSAWVVK IQVLMMAASF GQTKIPRGNG PYSVGCTDLM FDHTNKGTF L RLYPSQDND RLDTLWIPNK EYFWGLSKFL
GTHWLMGNIL RLLFGSMTP ANWNSPLRPG EKYPLVVFH GLGAFRTLYS AIGIDLASHG FIVAAVEHRD RSASATYYFK DQSAAEIGDK SWLYLRTLKQ
EEETHIRNEQ VRQRAKESQ ALSLILDIDH GKPVKNALDL KFDMEQLKDS IDREKIAVIG HSGGATVIQ TLEDQRFRC GIALDAWMFP LGDEVYSRIP
QPLFFINSEY FQYPANIIKM KKCYSPOKER KMITIRGSVH QNFADFTFAT GKIIHMLKL KGDIDSNVAI DLSNKASLAF LQKHLGLHKD FDQWDCLIEG
DDENLIPGTN INTTNQHIML QNSSGIEKYN

SOURCE

HEK293 cells

APPLICATIONS

Bioassay

PURITY

95 %

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

BIOACTIVITY

Measured by its ability to cleave a PAF analog in a chromogenic substrate linked assay. At a PAF-AH concentration of 10.0 ug/ml, 50% cleavage was achieved at an incubation time of approximately 2 minutes.

RESEARCH AREAS

Inflammation, Lipid Metabolism

RECONSTITUTION

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

REFERENCES

Benli E, Bayrak A, Cirakoglu A, Bayrak T, Noyan T. Kaohsiung J Med Sci. 2017 Nov;33(11):572-577. doi: 10.1016/j.kjms.2017.06.016. Zhuo S, Wolfert RL, Yuan C. Clin Biochem. 2017 Dec;50(18):1209-1215. doi: 10.1016/j.clinbiochem.2017.08.019.

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.