

TECHNICAL DATA SHEET

Recombinant Human ApoE4 (Carrier-Free)

Catalog Number: 21-9190

RPx-Pro™ Recombinant Protein
PRODUCT INFORMATION

CONTENTS

Recombinant Human ApoE4 (Carrier-Free)

DESCRIPTION

ApoE belongs to a group of proteins that bind reversibly with lipoprotein and play an important role in lipid metabolism. In addition to facilitating solubilization of lipids, these proteins help to maintain the structural integrity of lipoproteins, serve as ligands for lipoprotein receptors, and regulate the activity of enzymes involved in lipid metabolism. Significant quantities of ApoE are produced in the liver and brain, and to some extent in almost every organ.

MOLECULAR MASS

Recombinant Human ApoE4 is a 34.4 kDa protein containing 300 amino acid residues.

AMINO ACID SEQUENCE

MKVEQAVETE PEPELRQQT E WQSGQRWELA LGRFWDYLRW VQTLSEQVQE ELLSSQVTQE LRALMDETMK ELKAYKSELE EQLTPVAEET
RARLSKELQA AQARLGADME DVRGRLVQYR GEVQAMLGQS TEELRVRLAS HLRKLRKRL RDADDLQKRL AVYQAGAREG AERGLSAIRE
RLGPLVEQGR VRAATVGS LA GQPLQERAQA WGERLRARME EMGSRTRDR L DEVKEQVAEV RAKLEEQAQQ IRLQAEAFQA RLKSWFEPLV
EDMQRQWAGL VEKVQAAVGT SAAPVPSDNH

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

90 %

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

Rat

BIOACTIVITY

Data not available at this time.

RESEARCH AREAS

Angiogenesis/Cancer

RECONSTITUTION

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

REFERENCES

Rungta, R.L. Lipid Nanoparticle Delivery of siRNA to Silence Neuronal Gene Expression in the Brain. 2013. Molecular Therapy - Nucleic Acids; 2:e136.

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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