

**TECHNICAL DATA SHEET**

**Recombinant Human ApoE2 (Carrier-Free)**

Catalog Number: 21-9195

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

**CONTENTS**

Recombinant Human ApoE2 (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 ApoE2 is a 34.3 kDa protein containing 300 amino acid residues.

**AMINO ACID SEQUENCE**

MKVEQAVETE PEPELRQQTE WQSGQRWELA LGRFWDYLRW VQTLSEQVQE ELLSSQVTQE LRALMDETMK ELKAYKSELE EQLTPVAEET  
 RARLSKELQA AQARLGADME DVCGRVLVQYR GEVQAMLGQS TEELRVRLAS HLRKLRKRL RDADDLQKCL AVYQAGAREG AERGLSAIRE  
 RLGPLVEQGR VRAATVGS LA GQPLQERAQA WGERLRARME EMGSRTRDRDL 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**

Human

**BIOACTIVITY**

Data not available at this time.

**RESEARCH AREAS**

Angiogenesis/Cardiovascular

**RECONSTITUTION**

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

**REFERENCES**

Tiaden, A.N. Novel Function of Serine Protease HTRA1 in Inhibiting Adipogenic Differentiation of Human Mesenchymal Stem Cells via MAP Kinase-Mediated MMP Upregulation. 2016.Stem Cells; 34(6):1601-14.

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