

Product datasheet for TP750219

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Apolipoprotein E (APOE) (NM 000041) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Purified recombinant protein of Human Apolipoprotein E isoform 1, 19Lys-End(75Ala), tag Description:

free, expressed in E.coli, 50ug

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

1 KVEQAVETEP EPELRQQTEW QSGQRWELAL GRFWDYLRWV QTLSEQVQEE LLSSQVAQEL or AA Sequence: 61 RALMDETMKE LKAYKSELEE QLTPVAEETR ARLSKELQAA QARLGADMED VCGRLVQYRG

121 EVQAMLGQST EELRVRLASH LRKLRKRLLR DADDLQKRLA VYQAGAREGA ERGLSAIRER

LGPLVEQGRV RAATVGSLAG QPLQERAQAW GERLRARMEE MGSRTRDRLD EVKEQVAEVR 181

AKLEEQAQQI RLQAEAFQAR LKSWFEPLVE DMQRQWAGLV EKVQAAVGTS AAPVPSDNH 241

Tag Free Tag: Predicted MW: 34.2 kDa

Concentration: >0.05 µg/µL as determined by Bradford protein Assay method **Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 50 mM Tris-HCl, pH 8.0, 500 mM NaCl, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 000032

Locus ID: 348

UniProt ID: P02649, A0A0S2Z3D5

Cytogenetics: 19q13.32

Synonyms: AD2; APO-E; ApoE4; LDLCQ5; LPG





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Summary: The protein encoded by this gene is a major apoprotein of the chylomicron. It binds to a

specific liver and peripheral cell receptor, and is essential for the normal catabolism of triglyceride-rich lipoprotein constituents. This gene maps to chromosome 19 in a cluster with

the related apolipoprotein C1 and C2 genes. Mutations in this gene result in familial

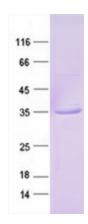
dysbetalipoproteinemia, or type III hyperlipoproteinemia (HLP III), in which increased plasma cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and

VLDL remnants. [provided by RefSeq, Jun 2016]

Protein Families: Adult stem cells, Druggable Genome, Secreted Protein, Stem cell - Pluripotency

Protein Pathways: Alzheimer's disease

Product images:



Purified recombinant protein APOE was analyzed by SDS-PAGE gel and Coomossie Blue Staining.