

Product datasheet for BA674

Apolipoprotein E / Apo E Human Protein

Product data:

Product Type:	Native Proteins
Description:	Apolipoprotein E / Apo E human protein, 50 µg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 50 mM NH ₄ HCO ₃ , pH 8.0 containing no preservatives.
Preparation:	Liquid purified protein
Protein Description:	Human Apolipoprotein E (Apo-E).
Note:	Centrifuge before opening to ensure complete recovery of vial contents. Caution: All human source materials have tested negative for HIV 1, HIV 2, anti-HCV, anti-HBc antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.
Storage:	Store the antigen at -20°C. Avoid multiple freeze/thaw cycles.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000032
Locus ID:	348
Cytogenetics:	19q13.32
Synonyms:	AD2; APO-E; ApoE4; LDLQC5; 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