

Datasheet for ABIN2714829

APOE Protein (Myc-DYKDDDDK Tag)[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	APOE
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APOE protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Apolipoprotein E / Apo E protein expressed in HEK293 cells.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	APOE
Alternative Name:	Apolipoprotein E, apo E (APOE Products)
Background:	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

Target Details

	cholesterol and triglycerides are the consequence of impaired clearance of chylomicron and VLDL remnants.
Molecular Weight:	34.2 kDa
NCBI Accession:	NP_000032
Pathways:	Regulation of Cell Size , Lipid Metabolism

Application Details

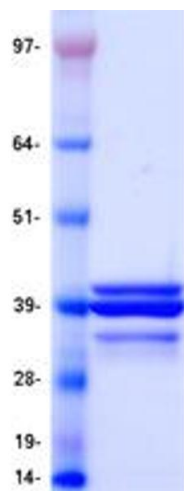
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Pan, Zhou, Mahsut, Rohm, Berejnaia, Price, Chen, Castro-Perez, Lassman, McLaren, Conway, Jensen, Thomas, Reyes-Soffer, Ginsberg, Gutstein, Cleary, Previs, Roddy: "Static and turnover kinetic measurement of protein biomarkers involved in triglyceride metabolism including apoB48 and apoA5 by LC/MS/MS." in: Journal of lipid research , Vol. 55, Issue 6, pp. 1179-87, (2016) (PubMed).
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Western Blotting

Image 1. Validation with Western Blot