

Product datasheet for PH306566

Apolipoprotein CIII (APOC3) (NM_000040) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOC3 MS Standard C13 and N15-labeled recombinant protein (NP_000031)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206566
Predicted MW:	10.9 kDa
Protein Sequence:	>RC206566 protein sequence Red=Cloning site Green=Tags(s) MQPRVLLVVALLALLASARASEAEDASLLSFMQGYMKHATKTAKDALSSVQESQVAQQARGWVTDGFSSL KDYWSTVKDKFSEFWLDLPEVRPTSAVAA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000031
RefSeq Size:	533
RefSeq ORF:	297
Synonyms:	APOCIII
Locus ID:	345
UniProt ID:	P02656 , A3KPE2
Cytogenetics:	11q23.3



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Summary:

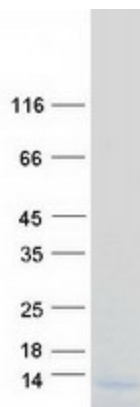
This gene encodes a protein component of triglyceride (TG)-rich lipoproteins (TRLs) including very low density lipoproteins (VLDL), high density lipoproteins (HDL) and chylomicrons. The encoded protein plays a role in the metabolism of these TRLs through multiple modes. This protein has been shown to promote the secretion of VLDL1, inhibit lipoprotein lipase enzyme activity, and delay catabolism of TRL remnants. Mutations in this gene are associated with low plasma triglyceride levels and reduced risk of ischemic cardiovascular disease, and hyperalphalipoproteinemia, which is characterized by elevated levels of high density lipoprotein (HDL) and HDL cholesterol in human patients. This gene and other related genes comprise an apolipoprotein gene cluster on chromosome 11. [provided by RefSeq, Sep 2017]

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

PPAR signaling pathway

Product images:

Coomassie blue staining of purified APOC3 protein (Cat# [TP306566]). The protein was produced from HEK293T cells transfected with APOC3 cDNA clone (Cat# [RC206566]) using MegaTran 2.0 (Cat# [TT210002]).