

Product datasheet for PH308888

Apolipoprotein CI (APOC1) (NM_001645) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOC1 MS Standard C13 and N15-labeled recombinant protein (NP_001636)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208888
Predicted MW:	9.3 kDa
Protein Sequence:	>RC208888 protein sequence Red=Cloning site Green=Tags(s) MRLFLSLPVLVVVLSIVLEGPAPAQGTPDVSSALDKLKEFGNTLEDKARELISRIKQSELSAKMREWFSE TFQVKKEKLIKIDS 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_001636
RefSeq Size:	464
RefSeq ORF:	249
Synonyms:	Apo-CI; apo-CIB; ApoC-I; apoC-IB
Locus ID:	341
UniProt ID:	P02654 , A0A024R0T8
Cytogenetics:	19q13.32



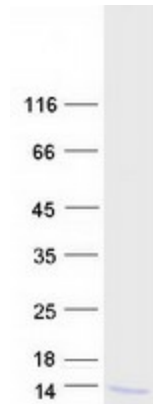
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Summary:

This gene encodes a member of the apolipoprotein C1 family. This gene is expressed primarily in the liver, and it is activated when monocytes differentiate into macrophages. The encoded protein plays a central role in high density lipoprotein (HDL) and very low density lipoprotein (VLDL) metabolism. This protein has also been shown to inhibit cholesteryl ester transfer protein in plasma. A pseudogene of this gene is located 4 kb downstream in the same orientation, on the same chromosome. This gene is mapped to chromosome 19, where it resides within a apolipoprotein gene cluster. Alternative splicing and the use of alternative promoters results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Protein Families:

Secreted Protein

Product images:

Coomassie blue staining of purified APOC1 protein (Cat# [TP308888]). The protein was produced from HEK293T cells transfected with APOC1 cDNA clone (Cat# [RC208888]) using MegaTran 2.0 (Cat# [TT210002]).