

## Product datasheet for PH302771

### Apolipoprotein CII (APOC2) (NM\_000483) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	APOC2 MS Standard C13 and N15-labeled recombinant protein (NP_000474)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202771
Predicted MW:	11.2 kDa
Protein Sequence:	>RC202771 protein sequence Red=Cloning site Green=Tags(s)  MGTRLLPALFLVLLVLGFVQGTQQPQQDEMPSTLLTQVKESLSSYWESAKTAAQNLYEKTYLPAVDEK LRDLYSKSTAAMSTYTGIFTDQVLSVLKGEE  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:	<a href="#">NP_000474</a>
RefSeq Size:	738
RefSeq ORF:	303
Synonyms:	APO-CII; APOC-II
Locus ID:	344
UniProt ID:	<a href="#">P02655</a> , <a href="#">A0A024R0T9</a>
Cytogenetics:	19q13.32



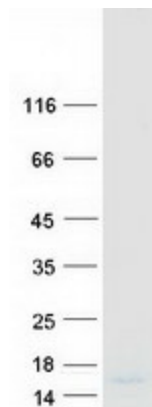
[View online »](#)

**Summary:**

This gene encodes a lipid-binding protein belonging to the apolipoprotein gene family. The protein is secreted in plasma where it is a component of very low density lipoprotein. This protein activates the enzyme lipoprotein lipase, which hydrolyzes triglycerides and thus provides free fatty acids for cells. Mutations in this gene cause hyperlipoproteinemia type IB, characterized by hypertriglyceridemia, xanthomas, and increased risk of pancreatitis and early atherosclerosis. This gene is present in a cluster with other related apolipoprotein genes on chromosome 19. Naturally occurring read-through transcription exists between this gene and the neighboring upstream apolipoprotein C-IV (APOC4) gene. [provided by RefSeq, Mar 2011]

**Protein Families:**

Druggable Genome, Secreted Protein

**Product images:**

Coomassie blue staining of purified APOC2 protein (Cat# [TP302771]). The protein was produced from HEK293T cells transfected with APOC2 cDNA clone (Cat# [RC202771]) using MegaTran 2.0 (Cat# [TT210002]).