

## Product datasheet for TP302771

### Apolipoprotein CII (APOC2) (NM\_000483) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human apolipoprotein C-II (APOC2), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202771 protein sequence <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MGTRLLPALFLVLLVLGFVQGTQQPQQDEMPSTLLTQVKESLSSYWESAKTAAQNLYEKTYLPAVDEK LRDLYSKSTAAMSTYTGIFTDQVLSVLKGEE  <span style="color: red;">TR</span> TRPLE <span style="color: green;">QKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-Myc/DDK
Predicted MW:	8.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_000474</a>
Locus ID:	344
UniProt ID:	<a href="#">P02655</a>
RefSeq Size:	738
Cytogenetics:	19q13.32


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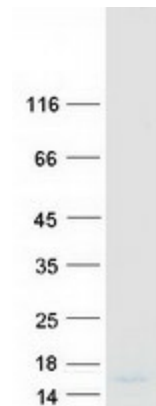
RefSeq ORF: 303

Synonyms: APO-CII; APOC-II

**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]).