

## Product datasheet for **TP311023M**

### Apolipoprotein A V (APOA5) (NM\_052968) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human apolipoprotein A-V (APOA5), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC211023 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASMAAVLTWALALLSAFSATQARKGFWDYFSQTSGDKGRVEQIHQQKMAREPATLKDSLEQDLNMMNKF  
LEKLRPLSGSEAPRLPQDPVGMRRQLQEELEEKARLQPYMAEAHELVGWNLEGLRQQLKPYTMDLMEQV  
ALRVQELQEQLRVVGEDTKAQLLGGVDEAWALLQGLQSRVHHTGRFKELFHPYAESLVSGIGRHHVQELH  
RSVAPHAPASPARLSRCVQVLSRKLTLKAKALHARIQQNLDQLREELSRAFAGTGTEEGAGPDPQMLSEE  
VRQRLQAFRQDTYLQIAAFTRAIDQETEVEVQQQLAPPPGHSFAPEFQQTDSGKVLKSLQARLDDLWED  
ITHSLHDQGHSHLGDP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	38.9 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_443200</a>
Locus ID:	116519



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UniProt ID: [Q6Q788](#), [A0A0B4RUS7](#)

RefSeq Size: 1954

Cytogenetics: 11q23.3

RefSeq ORF: 1098

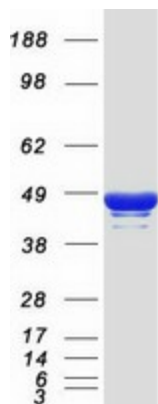
Synonyms: APOAV; RAP3

**Summary:** The protein encoded by this gene is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Oct 2009]

**Protein Families:** Druggable Genome, Secreted Protein

**Protein Pathways:** PPAR signaling pathway

### Product images:



Coomassie blue staining of purified APOA5 protein (Cat# [TP311023]). The protein was produced from HEK293T cells transfected with APOA5 cDNA clone (Cat# [RC211023]) using MegaTran 2.0 (Cat# [TT210002]).