

Product datasheet for **TP311023**

Apolipoprotein A V (APOA5) (NM_052968) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human apolipoprotein A-V (APOA5), 20 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
VRQRLQAFRQDTYLQIAAFTRAIDQETEEVQQQLAPPPGHSFAPEFQQTDSGKVL SKLQARLDDLWED
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: [NP_443200](#)

Locus ID: 116519



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

RefSeq Size: 1954

Cytogenetics: 11q23.3

RefSeq ORF: 1098

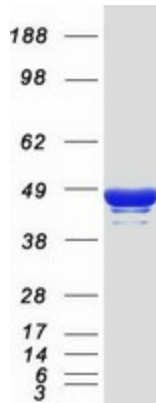
Synonyms: APOAV; RAP3

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]).