

Product datasheet for PH311023

Apolipoprotein A V (APOA5) (NM_052968) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOA5 MS Standard C13 and N15-labeled recombinant protein (NP_443200)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211023
Predicted MW:	41.2 kDa
Protein Sequence:	>RC211023 protein sequence Red=Cloning site Green=Tags(s)

MASMAAVLTWALALLSAFSATQARKGFWDYFSQTSQDKGRVEQIHQQKMAREPATLKDSLEQDLNMMNKF
LEKLRPLSGSEAPRLPQDPVGMRRQLQEELVEVKARLQPYMAEAHEL VGWNLEGLRQQLKPYTMDLMEQV
ALRVQELQEQLRVVGEDTKAQLLGGVDEAWALLQGLQSRVVHHTGRFKELFHPYAESLVSGIGRHVQELH
RSVAPHAPASPARLSRCVQVLSRKLTLKAKALHARIQQNLDQREEL SRA FAGTGT EEGAGPDPQML SEE
VRQRLQAFRQDTYLQIAAFTRAIDQETEEVQQQLAPPPPGHSAFAPEFQQTDSGKVL SKLQARLDDLWED
ITHSLHDQGHSHLGD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	<u>NP_443200</u>
RefSeq Size:	1954
RefSeq ORF:	1098
Synonyms:	APOAV; RAP3
Locus ID:	116519



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

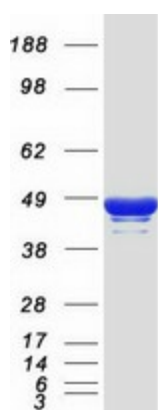
Cytogenetics: 11q23.3

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]).