

Product datasheet for PH322222

APOA4 (NM_000482) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOA4 MS Standard C13 and N15-labeled recombinant protein (NP_000473)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222222
Predicted MW:	45.4 kDa
Protein Sequence:	>RC222222 protein sequence Red=Cloning site Green=Tags(s)

MFLKAVVLTALVAVAGARAEVVSADQVATVMWDYFSQLSNNAKEAVEHLQKSEL TQQLNALFQDKLGEVN
TYAGDLQKKLVFPATELHERLAKDSEKLKEEIGKELEELRARLLPHANEVSQKIGDNLRELQQRLEPYAD
QLRTQVNTQAEQLRRQLTPYAQRMERVLRENADSLQASLRPHADELKAKIDQNVEELKGRLTPYADEFKV
KIDQTVEELRRSLAPYAQDTQEKLNHQLEGLTFQMKNAAEELKARISASAEELRQLAPLAEDVRGNLRG
NTEGLQKSLAELGGHLDQQVEEFRRRVEPYGENFNKALVQQMEQLRQKLGPHAGDVEGHL SFLEKDLRDK
VNSFFSTFKEKESQDKTLSLPELEQQQEQQQEQQQEQQVQMLAPLES

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_000473</u>
RefSeq Size:	1460
RefSeq ORF:	1188
Locus ID:	337
UniProt ID:	<u>P06727</u>



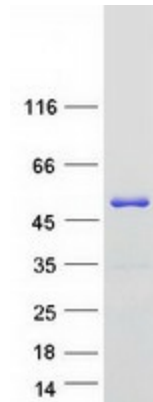
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Cytogenetics: 11q23.3

Summary: Apolipoprotein (apo) A-IV gene contains 3 exons separated by two introns. A sequence polymorphism has been identified in the 3'UTR of the third exon. The primary translation product is a 396-residue preprotein which after proteolytic processing is secreted its primary site of synthesis, the intestine, in association with chylomicron particles. Although its precise function is not known, apo A-IV is a potent activator of lecithin-cholesterol acyltransferase in vitro. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified APOA4 protein (Cat# [TP322222]). The protein was produced from HEK293T cells transfected with APOA4 cDNA clone (Cat# [RC222222]) using MegaTran 2.0 (Cat# [TT210002]).