

Product datasheet for PH310762

Apolipoprotein A I (APOA1) (NM_000039) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APOA1 MS Standard C13 and N15-labeled recombinant protein (NP_000030)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210762
Predicted MW:	30.8 kDa
Protein Sequence:	>RC210762 protein sequence Red=Cloning site Green=Tags(s) MKA AVL TLAVL FLTGSQARHFWQQDEPPQSPWDRVKDLATVYVDVLKDSGRDYVSQFEGSALGKQLNLKL LDNWD SVTSTFSKLREQLGPVTQEFWDNLEKETEGLRQEMSKDLEEVKAKVQPYLDDFQKKWQEEMELYR QKVEPLRAELQEGARQKLHELQEKL SPLGEEMRDRARAHVDALRTHLAPYSDEL RQRLAARLEALKENGG ARLA EYHAKATEHLSTLSEKAKPAEDLRQGLLPVLESFKVSFLSALEEYTKKLNTQ 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:	NP_000030
RefSeq Size:	897
RefSeq ORF:	801
Synonyms:	apo(a); HPALP2
Locus ID:	335
UniProt ID:	P02647 , A0A024R3E3



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Cytogenetics: 11q23.3

Summary: This gene encodes apolipoprotein A-I, which is the major protein component of high density lipoprotein (HDL) in plasma. The encoded preproprotein is proteolytically processed to generate the mature protein, which promotes cholesterol efflux from tissues to the liver for excretion, and is a cofactor for lecithin cholesterolacyltransferase (LCAT), an enzyme responsible for the formation of most plasma cholesteryl esters. This gene is closely linked with two other apolipoprotein genes on chromosome 11. Defects in this gene are associated with HDL deficiencies, including Tangier disease, and with systemic non-neuropathic amyloidosis. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein. [provided by RefSeq, Dec 2015]

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: PPAR signaling pathway

Product images:



Coomassie blue staining of purified APOA1 protein (Cat# [TP310762]). The protein was produced from HEK293T cells transfected with APOA1 cDNA clone (Cat# [RC210762]) using MegaTran 2.0 (Cat# [TT210002]).