

SIL-APO-E3 protein standard – <sup>15</sup> N-Uniform labelling	
Human Apolipoprotein E-III (Uniprot accession number P02649)	
Product Description	Recombinant human ApoEIII was expressed in <i>E. coli</i> with a purification tag at the N-terminus and purified using proprietary method including affinity, size exclusion chromatography. Purification tag was cleaved off by a specific protease.
Protein sequence	GKVEQAVETEPEPELRRQQTEWQSGQRWELALGRFWDYLRWVQTLSEQVQE ELLSSQVTQELRALMDETMKELKAYKSELEEQLTPVAEETRARLSKELQAAQ ARLGADMEDVCGRLVQYRGEVQAMLGQSTEELRVRLASHLRKLRKLLRDA DDLQKRLAVYQAGAREGAERGLSAIRERLGPLVEQGRVRAATVGSAGQPL QERAQAWGERLRARMEEMGSRTDRDLDEVKEQVAEVRACLEEQAAQIRLQ AEAFQARLKSWFEPLVEDMQRQWAGLVEKVQAAVGTSAAPVPSDNH
Predicted Molecular Mass	34.29 kDa
Expression system	<i>E. coli</i>
Purity	Greater than 90 % as determined by SDS-PAGE analysis.
Labelling	U-15N > 99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein standard.
Tag information	Purification tag removed using a protease. Glycine residue remains at the N-terminus.
Protein Content	Quantitation is carried out by Bradford protein assay using BSA as standard.
Formulation	Lyophilized from 50 mM Tris-HCl, 300 mM NaCl, 1 mM DTT, pH 8.0 buffer. Centrifuge the vial prior to opening. Reconstitute by adding ultrapure water.
Shipping and storage	The product is supplied as a lyophilized powder and shipped at room temperature. Store at -80°C upon receipt. After reconstitution, protein can be kept at 4°C for a few weeks.
Usage	The product is for research use only. Not for diagnostic or therapeutic use.
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