

Apolipoprotein C-III Recombinant Protein | APOC3 recombinant protein

Recombinant Human Apolipoprotein C-III

CATALOG # AAA114123	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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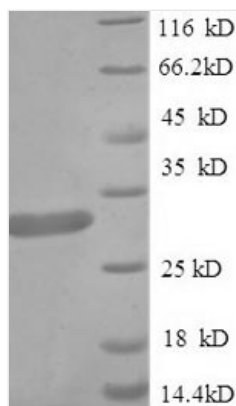
PRODUCT SYNONYMS

Apolipoprotein C-III; Recombinant Human Apolipoprotein C-III; Apolipoprotein C3; APOC3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	21-99aa; Full Length of Mature Protein
Sequence	SEAEDASLLS FMQGYMKHAT KTAKDALSSV QESQVAQQAR GWVTDGFSSL KDYWSTVKDK FSEFWDLDP VRPTSAVAA
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for APOC3 recombinant protein	Component of triglyceride-rich very low density lipoproteins (VLDL) and high density lipoproteins (HDL) in plasma. Plays a multifaceted role in triglyceride homeostasis. Intracellularly, promotes hepatic very low density lipoprotein 1 (VLDL1) assembly and secretion; extracellularly, attenuates hydrolysis and clearance of triglyceride-rich lipoproteins (TRLs). Impairs the lipolysis of TRLs by inhibiting lipoprotein lipase and the hepatic uptake of TRLs by remnant receptors.
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Product Categories/Family for APOC3 recombinant protein	Metabolism
References	Isolation and sequence analysis of the human apolipoprotein CIII gene and the intergenic region between the apo AI and apo CIII genes.Protter A.A., Levy-Wilson B., Miller J., Bencen G., White T., Seilhamer J.J.DNA 3:449-456(1984) Isolation and DNA sequence of full-length cDNA for human preapolipoprotein CIII.Levy-Wilson B., Appleby V., Protter A.A., Auperin D., Seilhamer J.J.DNA 3:359-364(1984) Isolation and characterization of cDNA clones corresponding to two different human apoC-III alleles.Karathanasis S.K., Zannis V.I., Breslow J.L.J. Lipid Res. 26:451-456(1985) Human apolipoproteins AI, AII, CII and CIII. cDNA sequences and mRNA abundance.Sharpe C.R., Sidoli A., Shelley C.S., Lucero M.A., Shoulders C.C., Baralle F.E.Nucleic Acids Res. 12:3917-3932(1984) The effects of scale variation in the APOA1/C3/A4/A5 gene cluster.Fullerton S.M., Buchanan A.V., Sonpar V.A., Taylor S.L., Smith J.D., Carlson C.S., Salomaa V., Stengaard J.H., Boerwinkle E., Clark A.G., Nickerson D.A., Weiss K.M.Hum. Genet. 115:36-56(2004) Amino acid sequence of human plasma apolipoprotein C-III from normolipidemic subjects.Hospattankar A.V., Brewer H.B. Jr., Ronan R., Fairwell T.FEBS Lett. 197:67-73(1986) The complete amino acid sequence of alanine apolipoprotein (apoC-3) , and apolipoprotein from human plasma very low density lipoproteins.Brewer H.B. Jr., Shulman R., Herbert P., Ronan R., Wehrly K.J. Biol. Chem. 249:4975-4984(1974) An ABC of apolipoprotein C-III a clinically useful new cardiovascular risk factor?Chan D.C., Chen M.M., Ooi E.M., Watts G.F.Int. J. Clin. Pract. 62:799-809(2008) Enrichment of glycopeptides for glycan structure and attachment site identification.Nilsson J., Rueetschi U., Halim A., Hesse C., Carlsohn E., Brinkmalm G., Larson G.Nat. Methods 6:809-811(2009) Initial characterization of the human central proteome.Burkard T.R., Planyavsky M., Kaupe I., Breitwieser F.P., Buerckstuemmer T., Bennett K.L., Superti-Furga G., Colinge J.BMC Syst. Biol. 5:17-17(2011) Apolipoprotein C-III and hepatic triglyceride-rich lipoprotein production.Yao Z., Wang Y.Curr. Opin. Lipidol. 23:206-212(2012) Identification of new apolipoprotein-CIII glycoforms with ultrahigh resolution MALDI-FTICR mass spectrometry of human sera.Nicolardi S., van der Burgt Y.E., Dragan I., Hensbergen P.J., Deelder A.M.J. Proteome Res. 12:2260-2268(2013) An enzyme assisted RP-RPLC approach for in-depth analysis of human liver phosphoproteome.Bian Y., Song C., Cheng K., Dong M., Wang F., Huang J., Sun D., Wang L., Ye M., Zou H.J. Proteomics 96:253-262(2014) Molecular cloning of a human apoC-III variant Thr 74-->Ala 74 mutation prevents O-glycosylation.Maeda H., Hashimoto R.K., Oguro T., Hiraga S., Uzawa H.J. Lipid Res. 28:1405-1409(1987) Apolipoprotein C-III(Lys-58-->Glu) . Identification of an apolipoprotein C-III variant in a family with hyperalphalipoproteinemia.von Eckardstein A., Holz H., Sandkamp M., Weng W., Funke H., Assmann G.J. Clin. Invest. 87:1724-1731(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557323
NCBI GeneID	345
NCBI Accession #	NP_000031.1
NCBI GenBank Nucleotide #	NM_000040.1
UniProt Accession #	P02656 ; Q08E83 ; Q6Q786
Molecular Weight	24.8 kDa
NCBI Official Full Name	apolipoprotein C-III
NCBI Official Synonym Full Names	apolipoprotein C-III
NCBI Official Symbol	APOC3
NCBI Official Synonym Symbols	HALP2; APOCIII
NCBI Protein Information	apolipoprotein C-III
UniProt Protein Name	Apolipoprotein C-III
UniProt Gene Name	APOC3
UniProt Synonym Gene Names	Apo-CIII; ApoC-III
UniProt Entry Name	APOC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/apoc3-recombinant-protein-e-coli/114123>