

Recombinant Human APOC3 protein, His/GST-tagged

Cat. No. APOC3-393H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human APOC3(Ser21~Ala99) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser21~Ala99
Description	Apolipoprotein C-III is a very low density lipoprotein (VLDL) protein. APOC3 inhibits lipoprotein lipase and hepatic lipase; it is thought to delay catabolism of triglyceride-rich particles. The APOA1, APOC3 and APOA4 genes are closely linked in both rat and human genomes. The A-I and A-IV genes are transcribed from the same strand, while the A-1 and C-III genes are convergently transcribed. An increase in ap centigrade-III levels induces the development of hypertriglyceridemia.
Form	Supplied as lyophilized form in 100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Molecular Mass	40.7kDa
AA Sequence	SEAEDASLLS FMQGYMKHAT KTAKDALSSV QESQVAQQAR GWVTDGFSSL KDYWSTVKDK FSEFWDLDPV VRPTSAVAA
Endotoxin	<1.0EU per 1g (determined by the LAL method).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	> 95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
GENE INFORMATION	
Gene Name	APOC3 apolipoprotein C-III [Homo sapiens]
Official Symbol	APOC3
Synonyms	APOC3; apolipoprotein C-III; apo-CIII; ap centigrade-III; apolipoprotein C3; HALP2; APOCIII; MGC150353;
Gene ID	345
mRNA Refseq	NM_000040
Protein Refseq	NP_000031
MIM	107720
UniProt ID	P02656
Chromosome Location	11q23-qter
Pathway	Chylomicron-mediated lipid transport, organism-specific biosystem; HDL-mediated

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lipid transport, organism-specific biosystem; Lipid digestion, mobilization, and transport, organism-specific biosystem; Lipoprotein metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPAR signaling pathway, organism-specific biosystem;

Function

cholesterol binding; enzyme regulator activity; high-density lipoprotein particle receptor binding; lipase inhibitor activity; phospholipid binding;

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