

Product datasheet for BA057

Apolipoprotein C III / ApoC3 Human Protein

Product data:

Product Type:	Native Proteins
Description:	Apolipoprotein C III / ApoC3 human protein, 0.1 mg
Species:	Human
Protein Source:	Plasma
Concentration:	lot specific
Purity:	>95% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Lyophilized purified protein. Buffer System: 10mM Ammonium bicarbonate, pH 7.4
Reconstitution Method:	Reconstitute with 59.9 µl distilled water.
Preparation:	Lyophilized purified protein.
Applications:	Specific applications have not been tested with this product.
Note:	Caution: All human source materials have been tested non-reactive for HBsAg, anti-HCV, anti-HBc and negative for anti-HIV1 and HIV2 by FDA required tests. Nevertheless, all human materials should be considered as potentially infectious.
Storage:	Store prior to and following reconstitution at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000031
Locus ID:	345
Cytogenetics:	11q23.3
Synonyms:	APOCIII



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Summary:	This gene encodes a protein component of triglyceride (TG)-rich lipoproteins (TRLs) including very low density lipoproteins (VLDL), high density lipoproteins (HDL) and chylomicrons. The encoded protein plays a role in the metabolism of these TRLs through multiple modes. This protein has been shown to promote the secretion of VLDL1, inhibit lipoprotein lipase enzyme activity, and delay catabolism of TRL remnants. Mutations in this gene are associated with low plasma triglyceride levels and reduced risk of ischemic cardiovascular disease, and hyperalphalipoproteinemia, which is characterized by elevated levels of high density lipoprotein (HDL) and HDL cholesterol in human patients. This gene and other related genes comprise an apolipoprotein gene cluster on chromosome 11. [provided by RefSeq, Sep 2017]
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	PPAR signaling pathway