

Recombinant Human CEL Protein, His/GST-tagged

Cat. No. CEL-569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CEL(Asp117~Glu361) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asp117~Glu361
Description	The protein encoded by this gene is a glycoprotein secreted from the pancreas into the digestive tract and from the lactating mammary gland into human milk. The physiological role of this protein is in cholesterol and lipid-soluble vitamin ester hydrolysis and absorption. This encoded protein promotes large chylomicron production in the intestine. Also its presence in plasma suggests its interactions with cholesterol and oxidized lipoproteins to modulate the progression of atherosclerosis. In pancreatic tumoral cells, this encoded protein is thought to be sequestered within the Golgi compartment and is probably not secreted. This gene contains a variable number of tandem repeat (VNTR) polymorphism in the coding region that may influence the function of the encoded protein.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	53.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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

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

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
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 PBS or others

GENE INFORMATION

Gene Name	CEL carboxyl ester lipase (bile salt-stimulated lipase) [Homo sapiens]
Official Symbol	CEL
Synonyms	CEL; carboxyl ester lipase (bile salt-stimulated lipase); bile salt-activated lipase; BSSL; MODY8; bucelipase; sterol esterase; cholesterol esterase; carboxyl ester hydrolase; bile-salt-activated lipase; pancreatic lysophospholipase; fetoacinar pancreatic protein; lysophospholipase, pancreatic; bile salt-dependent lipase, oncofetal isoform; BAL; FAP; BSDL; CELL; FAPP; LIPA; CEase;
Gene ID	1056
mRNA Refseq	NM_001807

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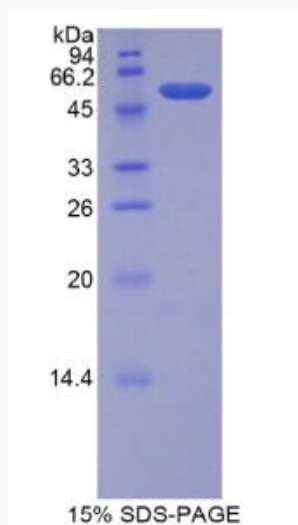
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Protein Refseq NP_001798

MIM 114840

UniProt ID P19835



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