

Product datasheet for **SC333280**

Bile salt activated lipase (CEL) (NM_001807) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bile salt activated lipase (CEL) (NM_001807) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bile salt activated lipase
Synonyms:	BAL; BSDL; BSSL; CEase; CELL; FAP; FAPP; LIPA; MODY8
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC333280 representing NM_001807.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTCACCATGGGGCGCCTGCAACTGGTTGTGTTGGGCCTCACCTGCTGCTGGGCAGTGGCGAGTGCC
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GCCCTGTGCCCCACAGATGACTCCAAGGAAGCTCAGATGCCTGCAGTCATTAGGTTTAG
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001807

Insert Size: 2271 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001807.4
RefSeq Size:	2386 bp
RefSeq ORF:	2271 bp
Locus ID:	1056
Cytogenetics:	9q34.13
Protein Families:	Druggable Genome
Protein Pathways:	Glycerolipid metabolism, Metabolic pathways, Steroid biosynthesis
MW:	79.7 kDa
Gene Summary:	<p>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. [provided by RefSeq, Jul 2008]</p>