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Product datasheet for SC125747

Bile salt activated lipase (CEL) (BC042510) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bile salt activated lipase (CEL) (BC042510) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bile salt activated lipase
Synonyms:	BAL; bile-salt-activated lipase; bile salt-dependent lipase, oncofetal isoform; bile salt-stimulated carboxyl ester lipase; bile salt-stimulated lipase; BSDL; BSSL; carboxy; carboxyl ester hydrolase; CEase; CELL; FAP; FAPP; LIPA; MODY8; OTTHUMP00000022450
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene sequence for BC042510 edited
GATGCTCACCATGGGGCGCCTGCAACTGGTTGTGTTGGGCCTCACCTGCTGCTGGGCAGT
GGCGAGTGCCGCGAAGCTGGGCGCCGTGTACACAGAAGGTGGGTTCGTGGAAGGCGTCAA
TAAGAAGCTCGGCCTCCTGGGTGACTCTGTGGACATCTTCAAGGGCATCCCCTTCGCAGC
TCCCACCAAGGCCCTGGAAAATCCTCAGCCACATCCTGGCTGGCAAGGGACCCTGAAGGC
CAAGAACTTCAAGAAGAGATGCCTGCAGGCCACCATCACCCAGGACAGCACCTACGGGGA
TGAAGACTGCCTGTACCTCAACATTTGGGTGCCCCAGGGCAGGAAGCAAGTCTCCCGGGA
CCTGCCCGTTATGATCTGGATCTATGGAGGCGCCTTCCTCATGGGGTCCGGCCATGGGGC
CAACTTCCTCAACAACTACCTGTATGACGGCGAGGAGATCGCCACACGCGGAAACGTCAT
CGTGGTCACCTTCAACTACCGTGTCGGCCCCCTTGGGTTCCTCAGCACTGGGGACGCCAA
TCTGCCAGGTAACTATGGCCTTCGGGATCAGCACATGGCCATTGCTTGGGTGAAGAGGAA
TATCGCGGCCTTCGGGGGGGACCCCAACAACATCACGCTCTTCGGGGAGTCTGCTGGAGG
TGCCAGCGTCTCTCTGCAGACCCTCTCCCCCTACAACAAGGGCCTCATCCGGCGAGCCAT
CAGCCAGAGCGGCGTGGCCCTGAGTCCCTGGGTCATCCAGAAAAACCCACTCTTCTGGGC
CAAAAAGGTGGCTGAGAAGGTGGGTTGCCCTGTGGGTGATGCCGCCAGGATGGCCCAGTG
TCTGAAGGTTACTGATCCCCGAGCCCTGACGCTGGCCTATAAGGTGCCGCTGGCAGGCCT
GGAGTACCCCATGCTGCACTATGTGGGCTTCGTCCCTGTCATTGATGGAGACTTCATCCC
CGCTGACCCGATCAACCTGTACGCCAACGCCGCCGACATCGACTATATAGCAGGCACCAA
CAACATGGACGGCCACATCTTCGCCAGCATCGACATGCCTGCCATCAACAAGGGCAACAA
GAAAGTCACGGAGGACTTCTACAAGCTGGTCAGTGAGTTCACAATCACCAAGGGGCTCAG
AGGCGCCAAGACGACCTTTGATGTCTACACCGAGTCCTGGGCCCAGGACCCATCCCAGGA
GAATAAGAAGAAGACTGTGGTGGACTTTGAGACCGATGTCCTCTTCCTGGTGCCCACCGA
GATTGCCCTAGCCCAGCACAGAGCCAATGCCAAGAGTGCCAAGACCTACGCCTACCTGTT
TTCCCATCCCTCTCGGATGCCCGTCTACCCCAAATGGGTGGGGGCCGACCATGCAGATGA
CATTCAGTACGTTTTCGGGAAGCCCTTCGCCACCCCCACGGGCTACCGGCCCCAAGACAG
GACAGTCTCTAAGGCCATGATCGCCTACTGGACCAACTTTGCCAAAACAGGGGACCCCAA
CATGGGCGACTCGGCTGTGCCCACACACTGGGAACCCTACACTACGGAAAACAGCGGCTA
CCTGGAGATCACCAAGAAGATGGGCAGCAGCTCCATGAAGCGGAGCCTGAGAACCAACTT
CCTGCGCTACTGGACCCTCACCTATCTGGCGCTGCCCACAGTGACCGACCAGGAGGCCAC
CCCTGTGCCCCCCACAGGGGACTCCGAGGCCACTCCCGTGCCCCCCACGGGTGACTCCGA
GACCGCCCCCGTGCCGCCCACGGGTGACTCCGGGGCCCCCCCCGTGCCGCCCACGGGTGA
CTCCGGGGCCCCCCCCGTGCCGCCCACGGGTGACTCCGGGGCCCCCCCCGTGCCGCCCAC
GGGTGACTCCGGGGCCCCCCCCGTGCCGCCCACGGGTGACTCCGGCGCCCCCCCCGTGCC
GCCCACGGGTGACGCCGGGCCCCCCCCCGTGCCGCCCACGGGTGACTCCGGCGCCCCCCC
CGTGCCGCCCACGGGTGACTCCGGGGCCCCCCCCGTGACCCCCACGGGTGACTCCGAGAC
CGCCCCCGTGCCGCCCACGGGTGACTCCGGGGCCCCCCCTGTGCCCCCCACGGGTGACTC
TGAGGCTGCCCCTGTGCCCCCCACAGATGACTCCAAGGAAGCTCAGATGCCTGCAGTCAT
TAGGTTTTAGCGTCCCATGAGCCTTGGTATCAAGAGGCCACAAGAGTGGGACCCCAGGGG
CTCCCCTCCCATCTTGAGCTCTTCCTGAATAAAGCCTCATACCCCTGAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC042510 unedited
GTTTAGATATTTGTAATACGACTTTATATAGGGCGGCCGCGNATTCANATCTGGTACCGG
TCCGGAATTCCCGGGATGATGCTCACCATGGGGCGCCTGCAACTGGTTGTGTTGGGCCTC
ACCTGCTGCTGGGCAGTGGCGAGTGCCGCGAAGCTGGGCGCCGTGTACACAGAAGGTGGG
TTCGTGGAAGGCGTCAATAAGAAGCTCGGCCTCCTGGGTGACTCTGTGGACATCTTCAAG
GGCATCCCCTTCGCAGCTCCCACCAAGGCCCTGGAAAATCCTCAGCCACATCCTGGCTGG
CAAGGGACCCTGAAGGCCAAGAACTTCAAGAAGAGATGCCTGCAGGCCACCATCAGCCAG
GACAGCACCTACGGGGATGAAGACTGCCTGTACCTCAACATTTGGGTGCCCCAGGGCAGG
AAGCAAGTCTCCCGGGACCTGCCCGTTATGATCTGGATCTATGGAGGCGCCTTCCTCATG
GGGTCCGGCCATGGGGCCAACTTCCTCAACAACTACCTGTATGACGGCGAGGAGATCGCC
ACACGCGGAAACGTCATCGTGGTCACCTTCACTACCGTGTCGGCCCCCTTGGGTTCCTCA
GCACTGGGGACGCCAATCTGCCAGGTAACTATGGCCTTCGGGATCAGCACATGGCCATTG
CTTTGGTTGAGGAAGAAATATCGCGGCCTCGGGGGGGGGGACCCCAACAACATCACGCTTC
TCGGGGAGTCTGCTGGAAGTGCAAGCGTTCTTCTGCAAAACCCTTCCCCCTAAACAAGGG
CCTCATCCGGCGAGCCATCACCCAAAGGGGCTGGCCCTGAATCCCTGGGTCATCCAGAAA
AACCCACTTTTTGGGCCAAAAGTGGCTGAAAGGTGGTTGCCTGGGGGGATCCCCCGGATG
GCCATGGTTTGAGGTTCTGTTCC

Restriction Sites: Please inquire

ACCN: BC042510

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:
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: BC042510.1, AAH42510.1

RefSeq Size: 2316 bp

Locus ID: 1056

Cytogenetics: 9q34.13

Protein Families: Druggable Genome

Protein Pathways: Glycerolipid metabolism, Metabolic pathways, Steroid biosynthesis

Gene Summary: 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 sequestrated 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]