

Product datasheet for **SC124106**

CETP (NM_000078) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CETP (NM_000078) Human Untagged Clone
Tag:	Tag Free
Symbol:	CETP
Synonyms:	BPIFF; HDLCQ10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124106 sequence for NM_000078 edited (data generated by NextGen Sequencing)

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ATGCTGGCTGCCACAGTCCTGACCCTGGCCCTGCTGGCAATGCCCATGCCTGCTCCAAA
GGCACCTCGCAGGAGGCAGGCATCGTGTGCCGCATCACCAAGCCTGCCCTCTGGTGTG
AACCACGAGACTGCCAAGGTGATCCAGACCCGCTTCCAGCGAGCCAGCTACCCAGATATC
ACGGGCGAGAAGGCCATGATGCTCCTTGCCAAAGTCAAGTATGGGTTGCACAACATCCAG
ATCAGCCACTTGTCCATCGCCAGCCAGGTGGAGCTGGTGAAGCCAAGTCCATTGAT
GTCTCCATTTCAGAACGTGTCTGGTCTTCAAGGGGACCCTGAAGTATGGCTACACCACT
GCCTGGTGGCTGGTATTGATCAGTCCATTGACTTCGAGATCGACTCTGCCATTGACCTC
CAGATCAACACACAGCTGACCTGTGACTCTGGTAGAGTGCAGGACCGATGCCCTGACTGC
TACCTGTCTTTCCATAAGCTGCTCCTGCATCTCCAAGGGGAGCGAGAGCCTGGGTGGATC
AAGCAGCTGTTCCAAAATTTTCATCTCCTTACCCTGAAGCTGGTCTGAAGGGACAGATC
TGCAAAGAGATCAACGTCATCTAACATCATGGCCGATTTTGTCCAGACAAGGGCTGCC
AGCATCCTTTTCAGATGGAGACATTGGGGTGGACATTTCCCTGACAGGTGATCCCCTCATC
ACAGCCTCCTACCTGGAGTCCCATCACAAGGGTCATTTTCATCTACAAGAATGTCTCAGAG
GACCTCCCCCTCCCACCTTCTCGCCCACTGCTGGGGGACTCCCGCATGCTGTACTTC
TGTTTCTCTGAGCGAGTCTTCCACTCGCTGGCCAAAGGTAGCTTTCAGGATGGCCGCTC
ATGCTCAGCCTGATGGGAGACGAGTTCAAGGCAGTGTGGAGACCTGGGGCTTCAACACC
AACCAGGAAATCTTCCAAGAGGTTGTCCGGCGGCTTCCCAGCCAGGCCCAAGTCACCGTC
CACTGCCTCAAGATGCCCAAGATCTCCTGCCAAAACAAGGGAGTCGTGGTCAATTCTTCA
GTGATGGTGAAATTCCTTTCCACGCCAGACCAGCAACATTCTGTAGCTTACACATTT
GAAGAGGATATCGTGACTACCGTCCAGGCCTCCTATTCTAAGAAAAAGCTCTTCTAAGC
CTCTTGGATTTCCAGATTACACCAAAGACTGTTTCCAACCTGACTGAGAGCAGCTCCGAG
TCCGTCCAGAGCTTCTGCAGTCAATGATCACCGCTGTGGGCATCCCTGAGGTGATGTCT
CGGCTCGAGGTAGTGTTCACAGCCTCATGAACAGCAAAGGCGTGAGCCTCTTCGACATC
ATCAACCTGAGATTACTACTCGAGATGGCTTCTGCTGCTGCAGATGGACTTTGGCTTC
CCTGAGCACCTGCTGGTGGATTTCTCCAGAGCTTGGAGTAG

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Clone variation with respect to NM_000078.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_000078 unedited

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TCAGTATATTTGTAATACGACTTCACTATAGGGCGGCCGGAATTCGCACCANAACGGCT
CGGGCCACTTACACACCACTGCCTGATAACCATGCTGGCTGCCACAGTCTGACCCTGGC
CCTGCTGGGCAATGCCCATGCCTGCTCCAAAGGCACCTCGCAGGAGCCAGGCATCGTGTG
CCGCATACCAAGCCTGCCCTCCTGGTGTGAACCACGAGACTGCCAAGGTGATCCAGAC
CGCCTTCCAGCGAGCCAGCTACCCAGATATCACGGGCGAGAAGGCCATGATGCTCCTTGG
CCAAGTCAAGTATGGGTTGCACAACATCCAGATCAGCCACTTGTCCATCGCCAGCAGCCA
GGTGGAGCTGGTGAAGCCAAGTCCATTGATGTCTCCATTTCAGAACGTGTCTGTGGTCTT
CAAGGGGACCCTGAAGTATGGCTACACCACTGCCTGGTGGCTGGGTATTGATCAGTCCAT
TGACTTCGAGATCGACTCTGCCATTGACCTCCAGATCAACACACAGCTGACCTGTGACTC
TGGTAGAGTGCAGGACCGATGCCCTGACTGCTACCTGTCTTTCCATAAGCTGCTCCTGCA
TCTCCAAGGGGAGCGAGAGCCTGGGTGGATCAAGCAGCTGTTCAAAAATTTTCATCTCCTT
CACCTGAAACTGGTCCGAAAGGACAGATCTGCAAAGAGATCAACGTCTCTTCTACATCA
TGGCCGATTTTGTTCAGACAAGGGCTGGCAGCATTTTTCGAAGGAGACATTGGGGTGA
CTTTTCTGGAAGGGGAATCCTTTCATCACAACCTCCTACTGGGATCCCATCCAAGGTTCA
TATTCTCTCCAAAAGGGTTAAAGGAATCCCCCTCCCACCTTTTTCCCAAATGTTGGGG
GAACCCCCCAGCGTGACTTTTTGTTTCTGAAGAAAT

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_000078 unedited GGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTCAGGAAACAGCTA TGACCGCGCCGCAATCTAGAGTCNANNTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGA TACAGCACTTTAATGCCAGTGGGCCTTTAGGATAGGGAGGAGTTGGGAGCCAATCTCCAT CTCCGTA CTCTAACCCAATCCACCACGCTGGAGGAGACACCAGGTTCCAGCTGTGA GCCTGGTGCTTGCCTTCTGTACAAGCCCATCCCGACCTCCTTGGAGACTTCTAGCTCA AGCTCTGGAGGAAATCCACCAGCAGGTGCTCAGGGAAGCCAAAGTCCATCTGCAGCAGCA GGAAGCCATCTCGAGTGATAATCTCAGGGTTGATGATGTGCGAAGAGGCTCACGCCTTGC TGTTTCATGAGGGCTGTAACACTACCTCGAGCCGAGACATGACCTCAGGGATGCCACAG CGGTGATCATTGACTGCAGGAAGCTCTGGACGACTCGGAGCTGCTCAGTCAAGTTGG AAACAGCTTTGGTGTAATCTGGAAATCCAAGAGGCTTAAGAAGAGCTTTTTCTTAGAAT AGGAAGCTGGACGGTAGTCACGATATCCTCTTCAAATGTGTTAGCTACAAAATAGTTGC TGTCTTGGCGTAAAAGAGAATTCACCATCACTGAAGAATTGACCACGACTTCCCTTGT TGGCAGGAGATCTGGGCATCTTGAGGCATGGACGGG
Restriction Sites:	NotI-NotI
ACCN:	NM_000078
Insert Size:	1700 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:	<u>NM_000078.1</u> , <u>NP_000069.1</u>
RefSeq Size:	1790 bp
RefSeq ORF:	1482 bp
Locus ID:	1071
UniProt ID:	<u>P11597</u>
Cytogenetics:	16q13
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary:

The protein encoded by this gene is found in plasma, where it is involved in the transfer of cholesteryl ester from high density lipoprotein (HDL) to other lipoproteins. Defects in this gene are a cause of hyperalphalipoproteinemia 1 (HALP1). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2013]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).