

Product datasheet for **RC206561**

CETP (NM_000078) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CETP (NM_000078) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CETP
Synonyms:	BPIFF; HDLCQ10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC206561 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCTGGCTGCCACAGTCTGACCTGGCCCTGCTGGCAATGCCATGCCTGCTCCAAAGGCACCTCGC
 ACGAGGCAGGCATCGTGTGCCGATCACCAAGCCTGCCCTCCTGGTGTGAACACGAGACTGCCAAGGT
 GATCCAGACCGCCTTCCAGCGAGCCAGCTACCCAGATATCACGGGCGAGAAGGCCATGATGCTCCTTGGC
 CAAGTCAAGTATGGGTGCACAACATCCAGATCAGCCACTTGTCCATCGCCAGCAGCCAGGTGGAGCTGG
 TGAAGCCAAAGTCCATTGATGTCTCCATTGAGAACGTGTCTGTGGTCTTCAAGGGGACCTGAAGTATGG
 CTACACCACTGCCTGGTGGCTGGGTATTGATCAGTCCATTGACTTCGAGATCGACTCTGCCATTGACCTC
 CAGATCAACACACAGCTGACCTGTGACTCTGGTAGAGTGGGACCGATGCCCTGACTGCTACCTGTCTT
 TCCATAAGCTGCTCCTGCATCTCAAGGGGAGCGAGAGCCTGGGTGGATCAAGCAGCTGTTCACAAATTT
 CATCTCCTTACCCTGAAGCTGGTCTGAAGGGACAGATCTGAAAGAGATCAACGTCTCTTAACATC
 ATGGCCGATTTTGTCCAGACAAGGGCTGCCAGCATCCTTTAGATGGAGACATTGGGGTGGACATTTCCC
 TGACAGGTGATCCCGTCATCACAGCCTCTACCTGGAGTCCCATCACAAGGGTCATTTCTCTACAAGAA
 TGTCTCAGAGGACCTCCCCCTCCCCACCTTCTCGCCACACTGCTGGGGGACTCCCGCATGCTGTACTTC
 TGGTCTCTGAGCGAGTCTTCCACTCGCTGGCCAAAGTAGCTTTCCAGGATGGCCGCCTCATGCTCAGCC
 TGATGGGAGACGAGTTCAAGGCAGTGTGGAGACCTGGGGCTTCAACCAACCAGGAAATCTTCCAAGA
 GGTTGTGCGGGCTTCCCGAGCCAGGCCAAGTACCCTCCATGCCTCAAGATGCCAAGATCTCCTGC
 CAAAACAAGGGAGTCGTGGTCAATTCTTCAGTGATGGTGAATTCCTCTTCCACGCCAGACCAAGCAAC
 ATTCTGTAGCTTACACATTTGAAGAGGATATCGTGACTACCGTCCAGGCCTCTATTCTAAGAAAAAGCT
 CTCTTAAGCCTCTTGGATTTCCAGATTACACCAAGAGCTGTTTCCAACCTTGACTGAGAGCAGCTCCGAG
 TCCATCCAGAGCTTCTGCAGTCAATGATCACCCTGTGGGCATCCCTGAGGTCTGTCTCGGCTCGAGG
 TAGTGTTTACAGCCCTCATGAACAGCAAAGGCGTGAGCCTCTTCGACATCATCAACCCTGAGATTATCAC
 TCGAGATGGCTTCTGCTGCTGCAGATGGACTTTGGCTTCCCTGAGCACCTGCTGGTGGATTCTCCAG
 AGCTTGAGC

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206561 protein sequence
 Red=Cloning site Green=Tags(s)

MLAATVLTALLGNAHACSKGTSHEAGIVCRITKPALLVLNHETAKVIQTAFQRASYPDITGEKAMLLG
 QVKYGLHNIQISHLSIASSQVELVEAKSIDVSIQNVSVFVKGLKYGYTTAWWLIDQSIDFEIDSAIDL
 QINTQLTCDSGRVRTDAPDCYLSFHKLLHLQGEREPGWIKQLFTNFISFTLKLVLKGQICKEINVISNI
 MADFVQTRAASILSDGDIGVDISLTGDPVITASYLESHHKGHFIYKNVSEDLPLPTFSPTLLGDSRMLYF
 WFSERVFHSLAKVAFQDGRMLSLMGDEFKAVLETWGFNTNQEIFQEVVGGFSPQAQVTVHCLKMPKISC
 QNKGVVVNSSVMVKFLFPRPDQQHSVAYTFEEDI VTTVQASYSKKKFLSLLDFQITPKTVSNL TESSSE
 SIQSFLQSMITAVGIPEVMSRLEVVF TALMNSKGVSLFDIINPEIITRDGFLLLQMDFGFPEHLLVDFLQ
 SLS

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6232_d06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_000078

ORF Size: 1479 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_000078.1](#), [NP_000069.1](#)

RefSeq Size: 1717 bp

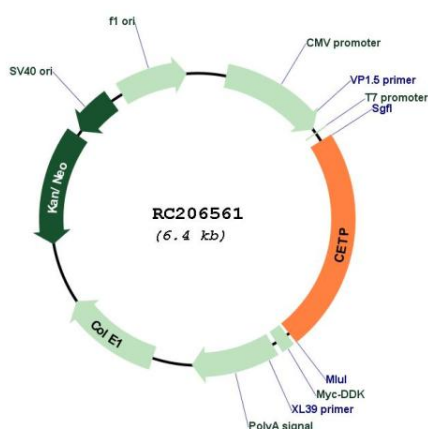
RefSeq ORF: 1482 bp

Locus ID: 1071

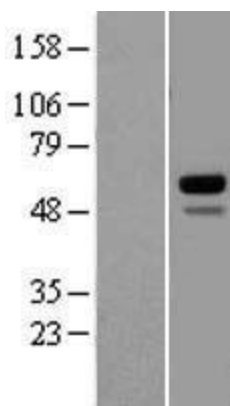
UniProt ID: [P11597](#)
Cytogenetics: 16q13
Protein Families: Druggable Genome, Secreted Protein
MW: 54.8 kDa

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]

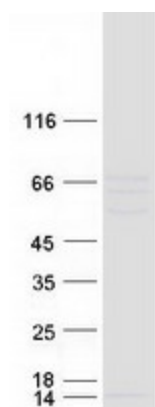
Product images:



Circular map for RC206561



Western blot validation of overexpression lysate (Cat# [LY424935]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206561 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CETP protein (Cat# [TP306561]). The protein was produced from HEK293T cells transfected with CETP cDNA clone (Cat# RC206561) using MegaTran 2.0 (Cat# [TT210002]).