

Product datasheet for **RG207566**

CEPT1 (NM_001007794) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | CEPT1 (NM_001007794) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CEPT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG207566 representing NM_001007794 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGGCATCGATCAACAAGGAAAAGATGTGGAGATTCTCACCCGGAGTCCCCAGTGGGCTTCGGGC
ATATGAGTACTACAGGATGTGTATTAATAAATGTTTCAGTTACCAACACCACCATTGTCAAGACACCA
ACTAAAGCGGCTAGAAGAACACAGATATCAAAGTGCTGGACGGTCCCTGCTTGAGCCCTTAATGCAAGGG
TATTGGGAATGGCTCGTTAGAAGAGTCCCTCCTGGATTGCCCAATCTCATCACCATCATTGGACTGT
CAATAAACATCTGTACAACATTTTATTAGTCTTCTACTGCCCTACAGCTACAGAGCAGGCACCTCTGTG
GGCATATATTGCTTGTGCCTGTGGCCTTTTCATTTACCAGTCTTTGGATGCTATTGATGGGAAACAGGCA
AGAAGAACCAATAGTAGTCTCCTCTGGGAGAACTTTTTGATCATGGCTGTGATTCACTATCAACAGTTT
TTGTGGTCTTGGAACTTGTATTGCAGTGCAGCTGGGACAAACCCTGATTGGATGTTTTTTTGTGTTT
TGCGGGGACATTTATGTTCTATTGTGCGCACTGGCAAACGTATGTTTCTGGAACATTGCGATTTGGAATA
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TTTGGCAATCTATGATCCAGTGTGAATATTCAAATGAAAATTTTCTGCACCTTTGACTGTAGCAGG
GACCATATTTTCTGTACAAATTAATCCGTGTAATCTTCACAGGTGGTGTGGCAAAAATGGATCAACA
ATAGCAGGAACAAGTGTCTTTCTCTTTCTCCATATTGGATCAGTGATTACATTAGCTGCAATGATCT
ACAAGAAATCTGCAGTTCAGTTTTTGAAGCATCCCTGTCTTATATACTGACATTTGTTTTGTGTC
TGCTAAAATCACTAATAAGCTTGTGGTTGCACACATGACGAAAAGTGAATGCATTTGCATGACACAGCA
TTCATAGTCCGGCACTTTTGTCTGGACCAGTATTTAACAGCTTTATTGATGAATATATTGACTTT
GGATTGCCCTGGTTTTCTTTCTTTGATTTGATCCGCTACTGTGTCAGTGTTTGAATCAGATTGCGTC
TCACCTGCACATACATGTCTTCAGAATCAAGGTCTCTACAGCTCATTCTAATCATCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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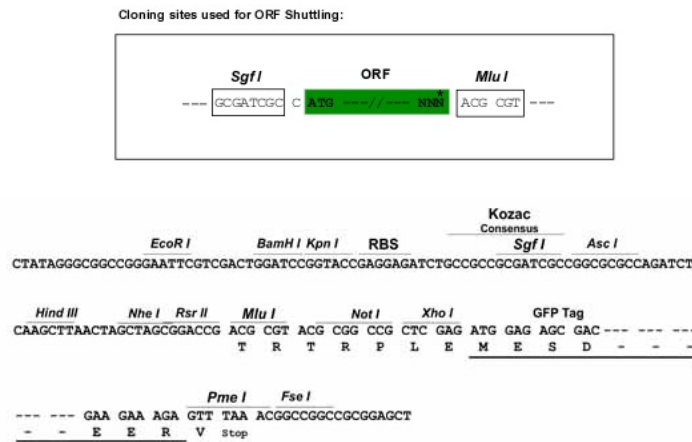
Protein Sequence: >RG207566 representing NM_001007794
 Red=Cloning site Green=Tags(s)

MSGHRSTRKRCGDSHPESPVGFGHMSTTGCVLNKLFLQPTPPLSRHQLKRLEEHRYSAGRSLEPLMQG
 YWEWLVRVPSWIAPNLITIIIGLSINICTTILLVFYCPATEQAPLWAYIACACGLFIYQSLDAIDGKQA
 RRTNSSSPLGELFDHGCDLSTVFLVLTGTCIAVQLGTNPDMWFCCFAGTFMFYCAHWQTYVSGTLRFGI
 IDVTEVQIFIIIMHLLAVIGPPFWQSMIPVLNIQMKIFPALCTVAGTIFSCTNYFRVIFTGGVGNKST
 IAGTSVLSPFLLHIGSVITLAAMIYKSAVQLFEKHPCLYLTFGFVSAKITNKLVAHMTKSEMHLHDTA
 FIGPALLFLDQYFNSFIDEYIVLWIALVFSFFDLIRYCVSVCNQIASHLHIHVFRIVKSTAHSNHH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007794

ORF Size: 1248 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_001007794.2](#)

RefSeq Size: 2251 bp

RefSeq ORF: 1251 bp

Locus ID: 10390

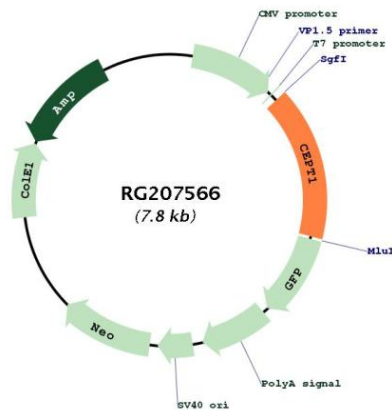
UniProt ID: [Q9Y6K0](#)

Cytogenetics: 1p13.3

Protein Families: Transmembrane

Gene Summary: This gene codes for a choline/ethanolaminephosphotransferase, which functions in the synthesis of choline- or ethanolamine- containing phospholipids. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016]

Product images:



Circular map for RG207566