

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
 TATTGGGAATGGCTCGTTAGAAGAGTCCCTCCTGGATTGCCCAAATCTCATCACCATCATTGGACTGT
 CAATAAACATCTGTACAACATTTTATTAGTCTTCTACTGCCCTACAGCTACAGAGCAGGCACCTCTGTG
 GGATATATTGCTTGTGCCTGTGGCCTTTTCATTTACCAGTCTTTGGATGCTATTGATGGGAAACAGGCA
 AGAAGAACCAATAGTAGTCTCCTCTGGGAGAACTTTTGATCATGGCTGTGATTCACTATCAACAGTTT
 TTGTGGTCTTGGAACTTGTATTGCAGTGCAGCTGGGACAAACCCTGATTGGATGTTTTTTGTTGTTT
 TGCGGGGACATTTATGTTCTATTGTGCGCACTGGCAAACGTATGTTTCTGGAACATTGCGATTTGGAATA
 ATTGATGTGACTGAAGTGCAAATCTTCATAATAATCATGCATTTGCTGGCAGTGATTGGAGGACCACCTT
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 GACCATATTTCTGTACAAATTAATCCGTGTAATCTTCACAGGTGGTGTGGCAAAAATGGATCAACA
 ATAGCAGGAACAAGTGTCTTTCTCTTTCTCCATATTGGATCAGTGATTACATTAGCTGCAATGATCT
 ACAAGAAATCTGCAGTTCAGTTTTTGAAGCATCCCTGTCTTATATACTGACATTTGTTTTGTGTC
 TGCTAAAATCACTAATAAGCTTGTGGTTGCACACATGACGAAAAGTGAATGCATTTGCATGACACAGCA
 TTCATAGTCCGGCACTTTGTTTCTGGACCAGTATTTAACAGCTTTATTGATGAATATATTGACTTT
 GGATTGCCCTGGTTTTCTTTCTTTGATTTGATCCGCTACTGTGTCAGTGTGCAATCAGATTGCGTC
 TCACCTGCACATACATGTCTTCAGAATCAAGGTCTCTACAGCTCATTCTAATCATCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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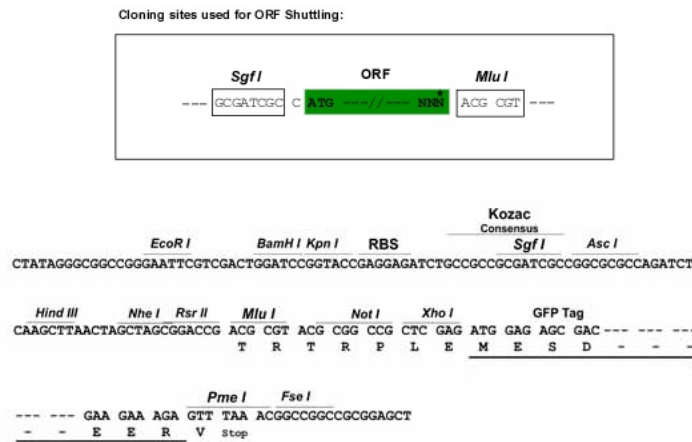
Protein Sequence: >RG207566 representing NM_001007794
 Red=Cloning site Green=Tags(s)

MSGHRSTRKRCGDSHPESPVGFGHMSTTGCVLNKLFLQPTPPLSRHQLKRLEEHRYSAGRSLEPLMQG
 YWEWLVRRVPSWIAPNLITIIIGLSINICTTILLVFYCPATEQAPLWAYIACACGLFIYQSLDAIDGKQA
 RRTNSSSPLGELFDHGCDLSTVFLVLTGTCIAVQLGTNPDMWFCCFAGTFMFYCAHWQTYVSGTLRFGI
 IDVTEVQIFIIIMHLLAVIGPPFWQSMIPVLNIQMKIFPALCTVAGTIFSCTNYFRVIFFTGGVGNKST
 IAGTSVLSPFLLHIGSVITLAAMIYKSAVQLFEKHPCLYILTFGFVSAKITNKLVAHMTKSEMHLHDTA
 FIGPALLFLDQYFNSFIDEYIVLWIALVFSFFDLIRYCVSVCNQIASHLHIHVFRIKVVSTAHSNH

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.

RefSeq: [NM_001007794.2](#)

RefSeq Size: 2251 bp

RefSeq ORF: 1251 bp

Locus ID: 10390

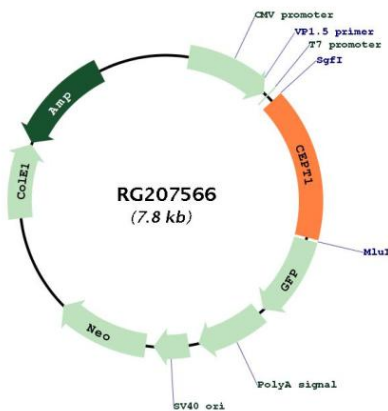
UniProt ID: [Q9Y6K0](#)

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