

Product datasheet for **MG206581**

CEPT1 (BC021753) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cept1 (BC021753) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cept1
Synonyms: 9930118K05Rik; mCEPT1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206581 representing BC021753
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTGGGCATCGGTCAACAAGGAAACGATGTGGAGATTCTCACCCAGAGTCCCCTGTGGGCTTTGGGC
 ATATGAGTACTACAGGGTGTGTATTAATAAATGTTTCAGTTACCGACACCACCCTGTCAAGACACCA
 GTTAAACGGCTAGAAGAACACAGGTATCAGAGTGTGGACGGTCCCTTCGAGCCCTAATGCAAGGA
 TACTGGGAATGGCTAGTTGGAAGAGTACCCTCATGGATTGCCCAATCTCATCACCATCATTGGACTAT
 CAATAAATATCTGTACAACATTTTGTAGTCTTCTACTGCCCTACAGCTACAGAGCAGGCACCTCTGTG
 GGCTTATATTGCCTGTGCTTGTGGCCTTTTCATTTACCAGTCTCTGGATGCCATAGATGGGAAACAGGCC
 AGAAGAATAACAGTAGCTCTCCTCTGGGGAACCTTTTGTATCATGGCTGTGACTCACTATCGACAGTTT
 TTGTGGTCTTGGAACTTGTATTGCAGTACAACCTGGGACAAATCCTGACTGGATGTTTTTTTGTGTTT
 TGCTGGGACATTCATGTTCTATTGTGCACACTGGCAAACATATGTTTCTGGAACATTGCGATTTGGAATA
 TTCGATGTTACAGAGTCCAGATCCATAATTATATTCCAGCTTCTCTCAGGAACCGTGGGCGCTTGGT
 TCTGGAACCTCACGATTCCTGTGTTGAATTTCAAATGAACTTCTTCTGCACCTTGTACTGTGGCAGG
 GACCATATTTTCTGTACAAATTAATCCGTGTAATCTTCACAGGTGGTGTGGCAAAAATGGGTCAACC
 ATAGCAGGAACAAGTCTCTTTCTCCTTTCTGCATATTGGATCAGTGATCAGTTCAGTGTATGATGAT
 ACAAGAAATCAGCAGTTCAGCTTTTGGAAAAGCATCCATGTCTTTATATACTGACATTTGTTTTGTGTC
 GGCTAAAATCACTAATAAGCTTGTGGTGTCTCACATGACGAAAAGTAAAATGCATTTGCATGACACAGCA
 TTCATAGTCCAGCACTTCTGTTCTGGACCAGTATTTAACAGCTTCATTGATGAATATAGTACTTT
 GGATTGCCTGATCTTCTCTTTCTTTGATTTGATTGTTACTGTGTCAGTGTGGCAATCAGATTGCATC
 TCACCTGCATATACATGTCTTCAGAATTAAGCCTCTACAGCTCACTCTAATCATCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206581 representing BC021753
 Red=Cloning site Green=Tags(s)

MSGHRSTRKRCGDSPVGFVGHMSTTGCVLNKLFLPTPPLSRHQLKRLEEHRYSAGRSLLLEPLMQG
 YWEWLVRVPSWIAPNLITIIIGLSINICTTILLVFYCPATEQAPLWAYIACACGLFIYQSLDAIDGKQA
 RRTNSSSPLGELFDHGCDLSLTVFVVLGTICIAVQLGTNPDMWFCCFAGTFMFYCAHWQTYVSGTLRFGI
 FDVTESQILIIILFQLLSGTVGPWFNFTIPVLNIQMKLLPALCTVAGTIFSCTNYFRVIFTGGVGNKST
 IAGTSVLSPFLLHIGSVITLAVMIYKSAVQLFEKHPCLYILTFGFVSAKITNKLVAHMTKSEMHLHDTA
 FIGPALLFLDQYFNSFIDEYIVLWIALIFSFFDLIRYCVSVCNQIASHLHIHFRIKASTAHSNHH

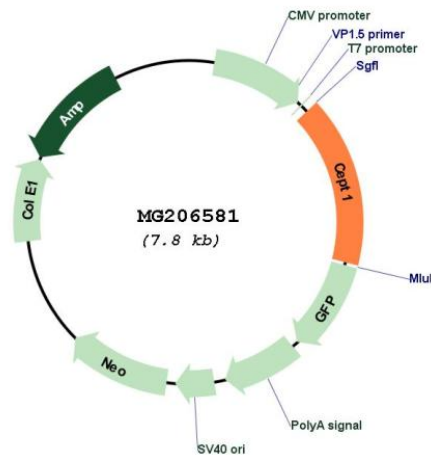
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC021753

| | |
|-------------------------------|---|
| ORF Size: | 1250 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: | <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: | BC021753 , AAH21753 |
| RefSeq Size: | 2038 bp |
| RefSeq ORF: | 1250 bp |
| Locus ID: | 99712 |
| Cytogenetics: | 3 F2.3 |
| Gene Summary: | Catalyzes both phosphatidylcholine and phosphatidylethanolamine biosynthesis from CDP-choline and CDP-ethanolamine, respectively. Involved in protein-dependent process of phospholipid transport to distribute phosphatidyl choline to the luminal surface. Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity (By similarity).[UniProtKB/Swiss-Prot Function] |