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Product datasheet for MG206582

Cept1 (NM_133869) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cept1 (NM_133869) 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:

>MG206582 representing NM_133869
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGGGCATCGGTCAACAAGGAAACGATGTGGAGATTCTCACCCAGAGTCCCCTGTGGGCTTTGGGC
ATATGAGTACTACAGGGTGTGTATTAAATAAATTGTTTCAGTTACCGACACCACCACTGTCAAGACACCA
GTTAAAACGGCTAGAAGAACACAGGTATCAGAGTGCTGGACGGTCCCTTCTCGAGCCCTTAATGCAAGGA
TACTGGGAATGGCTAGTTGGAAGAGTACCCTCATGGATTGCCCCAAATCTCATCACCATCATTGGACTAT
CAATAAATATCTGTACAACTATTTTGTTAGTCTTCTACTGCCCTACAGCTACAGAGCAGGCACCTCTGTG
GGCTTATATTGCCTGTGCTTGTGGCCTTTTCATTTACCAGTCTCTGGATGCCATAGATGGGAAACAGGCC
AGAAGAACTAACAGTAGCTCTCCTCTGGGAGAACTTTTTGATCATGGCTGTGACTCACTATCGACAGTTT
TTGTGGTTCTTGGAACTTGTATTGCAGTACAACTTGGGACAAATCCTGACTGGATGTTTTTTTGTTGTTT
TGCTGGGACATTCATGTTCTATTGTGCACACTGGCAAACATATGTTTCTGGAACATTGCGATTTGGAATA
ATTGATGTGACTGAAGTGCAAATCTTCATAATAATCATGCATTTGCTGGCAGTGATTGGAGGACCACCTT
TTTGGCAATCTATGATTCCTGTGTTGAATATTCAAATGAAACTTCTTCCTGCACTTTGTACTGTGGCAGG
GACCATATTTTCCTGTACAAATTACTTCCGTGTAATCTTCACAGGTGGTGTTGGCAAAAATGGGTCAACC
ATAGCAGGAACAAGTGTCCTTTCTCCTTTTCTGCATATTGGATCAGTGATCACGTTAGCTGTTATGATCT
ACAAGAAATCAGCAGTTCAGCTTTTTGAAAAGCATCCATGTCTTTATATACTGACATTTGGTTTTGTGTC
GGCTAAAATCACTAATAAGCTTGTGGTTGCTCACATGACGAAAAGTGAAATGCATTTGCATGACACAGCA
TTCATAGGTCCAGCACTTCTGTTTCTGGACCAGTATTTTAACAGCTTCATTGATGAATATATAGTACTTT
GGATTGCCTTGATCTTCTCTTTCTTTGATTTGATTCGTTACTGTGTCAGTGTTTGCAATCAGATTGCATC
TCACCTGCATATACATGTCTTCAGAATTAAAGCCTCTACAGCTCACTCTAATCATCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>MG206582 representing NM_133869
Red=Cloning site Green=Tags(s)

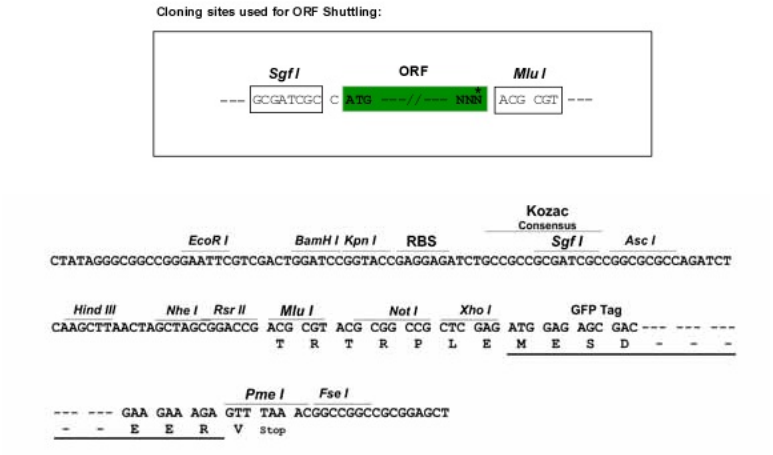
MSGHRSTRKRCGDSHPESPVGFGHMSTTGCVLNKLFQLPTPPLSRHQLKRLEEHRYQSAGRSLLEPLMQG
YWEWLVGRVPSWIAPNLITIIGLSINICTTILLVFYCPTATEQAPLWAYIACACGLFIYQSLDAIDGKQA
RRTNSSSPLGELFDHGCDSLSTVFVVLGTCIAVQLGTNPDWMFFCCFAGTFMFYCAHWQTYVSGTLRFGI
IDVTEVQIFIIIMHLLAVIGGPPFWQSMIPVLNIQMKLLPALCTVAGTIFSCTNYFRVIFTGGVGKNGST
IAGTSVLSPFLHIGSVITLAVMIYKKSAVQLFEKHPCLYILTFGFVSAKITNKLVVAHMTKSEMHLHDTA
FIGPALLFLDQYFNSFIDEYIVLWIALIFSFFDLIRYCVSVCNQIASHLHIHVFRIKASTAHSNHH

TRTRPLE - GFP Tag - V

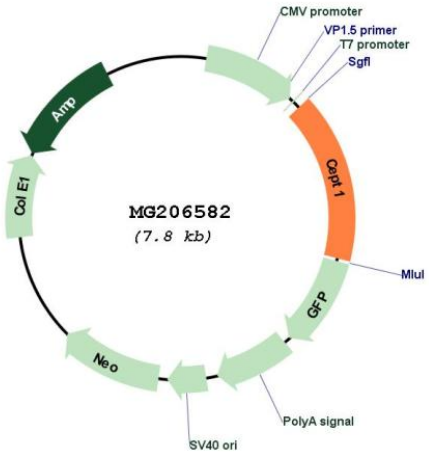
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_133869

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_133869.4
RefSeq Size:	2775 bp
RefSeq ORF:	1251 bp
Locus ID:	99712
UniProt ID:	Q8BGS7
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 lumenal surface. Has a higher cholinephosphotransferase activity than ethanolaminephosphotransferase activity (By similarity).[UniProtKB/Swiss-Prot Function]