

Product datasheet for **RG204756**

CEP20 (NM_144600) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CEP20 (NM_144600) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CEP20
Synonyms: C16orf63; FOPNL; FOR20; PHSECRG2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204756 representing NM_144600
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACTGTGGCAGAGTTGAAGGCTGTTTTAAAGGACACCTTGAAAAAAGGGGTATTAGGGCATT
 TAAAGCAAGGATCCGAGCTGAAGTTTTCAATGCCCTAGATGATGACCGTGAACCCCGACCATCATTGTC
 TCATGAAAACCTTCTAATTAATGAATTAATTCGAGAGTATTTAGAATTCAACAAATATAAGTATACAGCA
 TCTGTCCTCATAGCAGAATCTGGTCAACCTGTAGTTCCGTTGGACAGACAGTTTCTCATCCATGAACATA
 ATGCATTTGAAGAATCAAAGGATAATACAATACCTCTTTATATGGGATTTAGCCATTCTTGCCTGG
 AACTAAGGATGGCATCCAGAATGCATTTCTGAAAGGGCCTTCACTTCAGCCTTCAGACCCAAGTCTTGGC
 AGACAACCTAGTAGAAGAAAGCCAATGGATGACCACCTAAGAAAGGAGGAACAGAAAAGTACTAACATTG
 AAGATCTTCATGTTTCTCAGGCAGTCAACAGA

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204756 representing NM_144600
 Red=Cloning site Green=Tags(s)

MATVAELKAVLKDTLEKKGVLGHLKARIRAEVFNALDDDREPRPSLSHENLLINELIREYLEFNKYKYTA
 SVLIAESGQPVPVPLDRQFLIHENAFEEKDNTIPLLYGILAHFLRGTKDGIQNAFLKGPSLQPSDPSLG
 RQPSRRKPMDDHLRKEEQKSTNIEDLHVSQAVNR

T**R**TRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



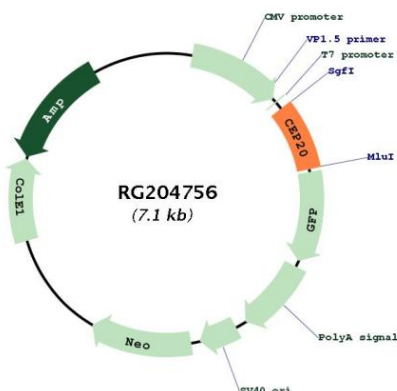
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Cloning Scheme:


ACCN:	NM_144600
ORF Size:	522 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_144600.4
RefSeq Size:	2252 bp
RefSeq ORF:	525 bp
Locus ID:	123811

UniProt ID:	<u>Q96NB1</u>
Cytogenetics:	16p13.11
Domains:	LisH
Gene Summary:	Involved in the biogenesis of cilia (PubMed:20551181). Required for the recruitment of PLK1 to centrosomes and S phase progression (PubMed:24018379).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204756