

Product datasheet for **RG233962**

C6ORF182 (CEP57L1) (NM_001271853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6ORF182 (CEP57L1) (NM_001271853) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C6ORF182
Synonyms:	bA487F23.2; C6orf182; cep57R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233962 representing NM_001271853 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTCTGAATTAATGCATAGTATAGTAGGAAGCTATCATAAACCTCCAGAAAGAGTATTTGTTCCCT
CATTCACCGAGAATGAACATCTCAGAATTGCCATCCTGCAAACTTAGAAGTTACCTCTCCTAAGATACT
TCATAGCCCAAATAGCCAAGCTCTTATTTAGCCTTAAAACTCTTCAGGAAAAATTCATCGTTTAGAG
CTGGAGAGAACAAGCTGAAGATAACCTGAACATTCTTCCAGAGAAGCAGCACAGTATAAGAAGGCCT
TAGAGAATGAAACAAATGAGAGAAATCTGGCACACCAGGAGCTGATAAAGCAGAAAAAGATATAAGTAT
ACAGTTAAGCTCAGCCAGTCTCGTTGTAATCTTCTAGAGAAGCAACTAGAATATACAAAGAGAATGGTT
CTCAACGTAGAGCGAGAAAAAGACATGATCCTAGAACACAGGCCAGCTTCAGAGGGAAAAAGAACAG
ATCAGATGAAGCTGTATGCAAACTTGAAAAGCTTGATGTCTTAGAAAAAGAGTGTTCAGACTTACAAC
AACTCAGAAAACTGCTGAGGACAAGATTAACATTTAGAAGAAAACTTAAGGAAGAAGAATCAGCGT
AAGCTATTTCAAGACAAAGCTTCTGAGCTTCAAAGTGAATCAGTAAATATAATGTCTTCAG
TTTCAAATCTAAGCACTCCAAGGAAAAAGAAATCTTCAAAGAAAACTAAATGTATAAGAGACGACC
ACCTTGCCAAATTTGTTCAAAGTTTGAGCACTGCCTTTTGTGGCTGAAAAGATGAGGCAACATCGTGAC
CCACATATCCTTCAGAAACCTTTAACGTGACTGAGACTAGATGTCTCCCAAGCCTTCTAGAACAATTT
CTGGGTGTAAGCTATTCTCTGACTCAGAAAAGTCCATTTCATTTGTGACAATTTATCTGAACTTT
GATGGCAATGCAAGATGAGCTGGACCAATGAGCATGGAGCACCAAGAACTACTGAAACAATGAAGGAA
ACTGAAAGTCATTCAGTCTGTGACGACATAGAATGTGAAGTGAAGTGTACTCAAGAAAATGGAATTA
AAGGAGAACAATCTCCAACTGAAGAAGCATCAAGACAGTGAAGAAGGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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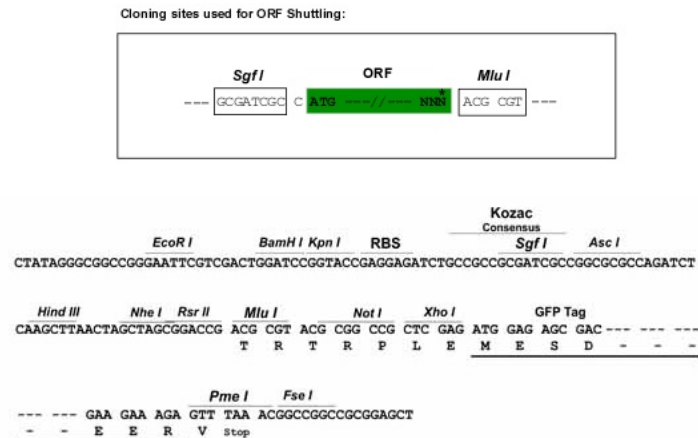
Protein Sequence: >RG233962 representing NM_001271853
 Red=Cloning site Green=Tags(s)

MDSELMHSIVGSYHKPPERVFVPSFTQNEPSQNCHPANLEVTSPKILHSPNSQALILALKTLQEKIHRLE
 LERTQAEDNLNLSREAAQYKKALENETNERNLAHQELIKQKDISIQLSSAQSRCTLLEKQLEYTKRMV
 LNVEREKNMILEQQAQLQREKEQDMKL YAKLEKLDVLEKECFRLTTTQKTAEDKIKHLEEKLEEEHQR
 KLFQDKASELQTGLEISKIIMSSVSNLKHSEKKKSSKTKCIKRRPPWQICSKFGALPFVAEKMRQHRD
 PHILQKPFNVETETRCLPKPSRTTSWCKAIPPDSEKSIISICDNLSELLMAMQDELQMSMEHQELLKQMK
 TESHVSCDDIECELECLLKKMEIKGEQISKLKKHQDSVRRL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271853

ORF Size: 1173 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_001271853.3](#)

RefSeq Size: 2765 bp

RefSeq ORF: 1176 bp

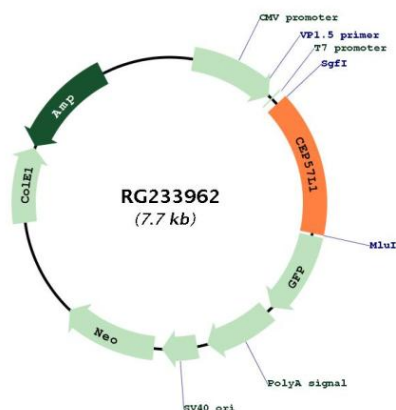
Locus ID: 285753

UniProt ID: [Q8IYX8](#)

Cytogenetics: 6q21

Gene Summary: Centrosomal protein which may be required for microtubule attachment to centrosomes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG233962