

Product datasheet for **RG204575**

C6ORF182 (CEP57L1) (NM_173830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
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: >RG204575 representing NM_173830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATTCTGAATTAATGCATAGTATAGTAGGAAGCTATCATAAACCTCCAGAAAGAGTATTTGTTCCCT
 CATTACCCAGAATGAACCATCTCAGAATTGCCATCCTGCAAACTTAGAAGTTACCTCTCCTAAGATACT
 TCATAGCCCAATAGCCAAGCTCTTATTTAGCCTTAAAACTCTTCAGGAAAAATTCATCGTTTAGAG
 CTGGAGAGAACACAAGCTGAAGATAACCTGAACATTCTTCCAGAGAAGCAGCAGATATAAGAAGGCCT
 TAGAGAATGAAACAAATGAGAGAAATCTGGCACACCAGGAGCTGATAAAGCAGAAAAAGATATAAGTAT
 ACAGTTAAGCTCAGCCCAAGTCTCGTTGTACTCTTCTAGAGAAGCAACTAGAATATACAAAGAGAATGGTT
 CTCAACGTAGAGCGAGAAAAAGAACATGATCCTAGAACAACAGGCCAGCTTCAGAGGAAAAAGAACAG
 ATCAGATGAAGCTGTATGCAAACTTGAAAAGCTTGATGTCTTAGAAAAAGAGTGTTTCAGACTTACAAC
 AACTCAGAAAAGCTGCTGAGGACAAGATTAACATTTAGAAGAAAACTTAAGGAAGAAGAACATCAGCGT
 AAGCTATTTCAAGACAAAGCTTCTGAGCTTCAAACTGGACTTGAAATCAGTAAAATTATAATGTCTTCAG
 TTTCAAATCTAAAGCACTCCAAGGAAAAAGAAATCTTCAAAGAAAACTAAATGTATAAAGAGACGACC
 ACCTTGGCAAATTTGTTCAAAGTTTGGAGCACTGCCTTTTGTGGCTGAAAAGATGAGGCAACATCGTGAC
 CCACATATCCTTCAGAAACCTTTTAACTGACTGAGACTAGATGTCTCCCAAGCCTTCTAGAACAATTT
 CCTGGTGTAAGCTATTCTCCTGACTCAGAAAAAGTCCATTTCCATTTGTGACAATTTATCTGAACTTTT
 GATGGCAATGCAAGATGAGCTGGACCAATGAGCATGGAGCACCAAGAAGTACTGAAACAAATGAAGGAA
 ACTGAAAGTCACTAGTCTGTGACGACATAGAATGTGAAGTACTGTTTACTCAAGAAAAATGGAATTA
 AAGGAGAACAATCTCCAACTGAAGAAGCATCAAGACAGTGTCTGTAAGTGCAGCAAAAAAGTTCAAAA
 CTCAAAGATGAGTGAAGCTTCAGGTATTCAGCAAGAAGACAGCTACCCTAAAGGATCAAAGAACATAAAA
 AATAGCCCCAGAAAATGTTTGAAGTGAAGTAACTTTTTCAGAAAAACAGCAGCTTTCATCCAATACGAG
 TTCATAATCTTCAAATGAAATTGAGAAGAGATGATATCATGTGGGAACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204575 representing NM_173830
 Red=Cloning site Green=Tags(s)

MDSELMHSIVGSYHKPPERVFVPSFTQNEPSQNCHPANLEVTSPKILHSPNSQALILALKTLQEKIHRLE
 LERTQAEDNLNILSREAAQYKKALENETNERNLAHQELIKQKKDISIQLSSAQSRCTLLEKQLEYTKRMV
 LNVEREKNMILEQQAQLQREKEQDQMKLYAKLEKLDVLEKECFRLTTTQKTAEDKIKHLEELKEEEHQR
 KLFQDKASELQTGLEISKIIMSSVSNLKHSKEKKSSKTKCIKRRPPWQICSKFGALPFVAEKMRQHRD
 PHILQKPFNVETETRLPKPSRTTSWCKAIPPDSEKSISICDNLSELLMAMQDELQMSMEHQELLQMKME
 TESHVSCDDIECELECLKMEIKGEQISKLKKHQDSVCKLQQKVQNSKMSEASGIQQEDSYPKGSKNIK
 NSPRKCLDTNLFQKNSSFHPIRVHNLQMKLRRDDIMWEQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173830

ORF Size: 1380 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:

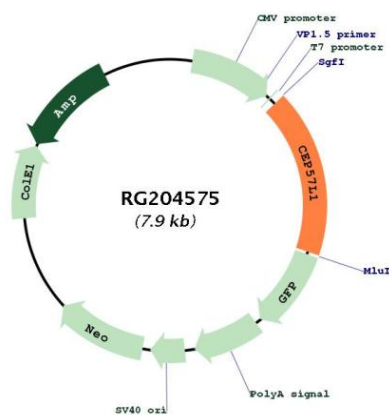
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_173830.5](#)

RefSeq Size:	2537 bp
RefSeq ORF:	1383 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 RG204575