

Product datasheet for **MG227634**

Cep164 (NM_001081373) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cep164 (NM_001081373) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cep164
Synonyms: AI450905; BC027092; D030051D21; mKIAA1052
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG227634 representing NM_001081373
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAGACGGCCATCCTTTTAGGTGACCAGCTGGTCTGGAGGAAGATTCTGATGAGACCTACGTTC
CCAGTGAGCAAGAAATCCTTGACTTTGCCAGAGTGATTGGTATTGACCCTATCAAGGAACCAAGACTGAT
GTGGCTGGCGAGAGAGGGTATTGAGGCTCCATTGCCAAGGGCTGGAAACCATGCCAGAATCACAGGT
GATCTTTACTATTTCACTTTGACACGGGGCAGTCCATCTGGGACCATCCATGTGACGAGCACTATCGAA
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AAAGGAAAAGAAAACAAGAAGGACAAAGAGACCTCCAAAAGTCCCTCTGGTCTGGGTTCGCCCTTAGCT
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GAGTGGAAAGGAAGCAGAGGGACCTGGAAGGACTCTGTAGCCAGCCCCGCCACTGTCCCTCCTCCAGA
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ATTCCAACCGGAAGTGGCTGGAACATTTCCGGAACGACCCCAAGGTACAGCTTTTCTCCTCGGCGCCAA
AGCAACAACACATCGAAGTATCGAACCTCTGCAGCTGGGCTGGACGAGAACAACAGACTGAATGTG
TTTCATTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG227634 representing NM_001081373
 Red=Cloning site Green=Tags(s)

MARRPILLGDQLVLEEDSDETYVPSEQEILDFARVIGIDPIKEPELMWLAREGIEAPLPKGWKPCQNITG
 DLYYFNFDTGQSIWDHPCDEHYRKLVIQERERWSAPGAIKKKDKKKKKEKKNKKDKETSKSPLVLGSPLA
 LVQAPLWGLAPLRGLGDAPPSALRGSQSVSLGSSADSGHLGEPTLPPQGLKAAACAKGLLASVHEGKNAL
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 SAMRKGHDLLKKKKEKLIQLESSQEEVSDEDTLKSSIKKVTFFDLSDMDDL SSESLESSPVLHITPTPT
 SADPNKIHVLSLQRISSELNGLNVLGSLNSQPPPQGLGSQPPPLFTSSLRSSKNVLDPAYSSQAKL
 SSLSSITPMSTQWAWDPGGQTKLTSSSSSQTVDDFLEKWRKYFSPGIPLLSGSPPPPENKLGYSVSEQ
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 FHY

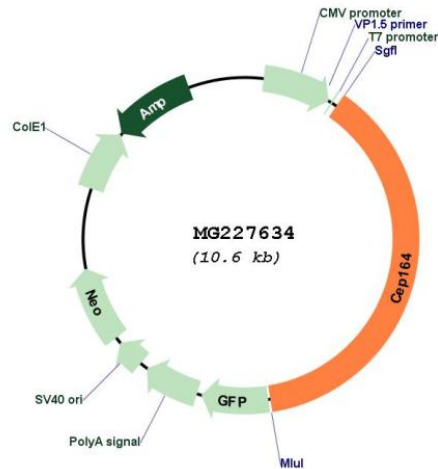
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001081373

ORF Size: 3999 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_001081373.3](#)

RefSeq Size: 5504 bp

RefSeq ORF: 4002 bp

Locus ID: 214552

Cytogenetics: 9 A5.2