

Product datasheet for **RG240111**

CEP162 (NM_001286206) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CEP162 (NM_001286206) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | CEP162 |
| Synonyms: | C6orf84; KIAA1009; QN1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG240111 representing NM_001286206. Blue=ORF Red=Cloning site Green=Tag(s) |

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Protein Sequence: >Peptide sequence encoded by RG240111
 Blue=ORF Red=Cloning site Green=Tag(s)

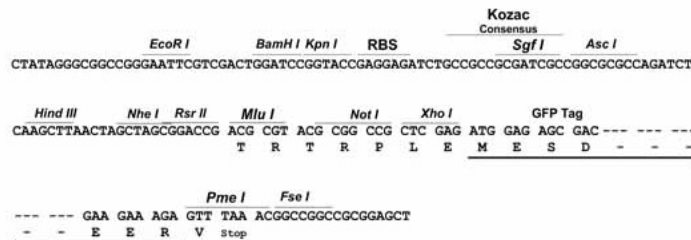
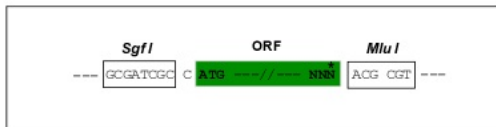
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

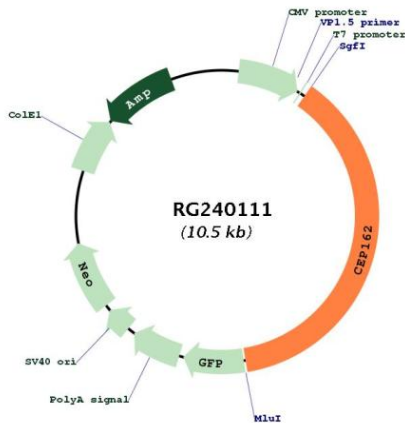


ACCN: NM_001286206

ORF Size: 3981 bp

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| 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). |
| RefSeq: | NM_001286206.2 |
| RefSeq Size: | 5119 bp |
| RefSeq ORF: | 3984 bp |
| Locus ID: | 22832 |
| UniProt ID: | Q5TB80 |
| Cytogenetics: | 6q14.2-q14.3 |
| MW: | 153.5 kDa |
| Gene Summary: | Required to promote assembly of the transition zone in primary cilia. Acts by specifically recognizing and binding the axonemal microtubule. Localizes to the distal ends of centrioles before ciliogenesis and directly binds to axonemal microtubule, thereby promoting and restricting transition zone formation specifically at the cilia base. Required to mediate CEP290 association with microtubules.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RG240111