

Product datasheet for **RG232992**

CEP76 (NM_001271989) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP76 (NM_001271989) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEP76
Synonyms:	C18orf9; HsT1705
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232992 representing NM_001271989
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCTGCCTCCGAGAAAGCCTCCGAGCTGAAGCAGCTCATCCACCAGCAGCTGAGCAAGATGGATG
 TCCATGGTAGAATAAGAGAAATCCTTGCTGAGACTATACGGGAAGAATTGGCACCTGATCAACAGCATT
 ATCAACAGAAGATTTGATCAAAGCCCTTAGACGTCGAGGAATCATTGACGATGTGATGAAAGAACCTAAT
 TTTGTTACTGACAGTGTTGAGCAAGAACCCTTCCTCTCCAAAACAACCTATTTGTTTTGATAGACAAT
 CGACATTAATAAAAAAGTATGGAAGTGAATGGCTGATCAACAACAATGTTATCAATAAGTATCAAT
 TCATATGGTGCTAATCAAACAGACATATTTGGTGAAGCAGCTTTAGTAGCATCATATTTCTGGAATGG
 CGATCGGTTTTGGGCTCAGAAAATGGAGTGACCAGTCTGACTGTGGAACCTATGGGTGTAGGCACAGAAT
 CAAAAGTTTCTGTGGGAATTTAAATATAAACTTGAAATGTATCCACCCTCAATCAAACGTTATCTCA
 AGAAGTAGTGAACACACAGCTTGTCTTGAACGTCAGAAAATGCAGAGAAAGAGCGATTATTTCTTGTA
 TATGCTAAGCAGTGGTGGAGAGAATATTTGCAAATTCGACCTCACACAACCTCACGACTGGTTAAGATT
 TTGCACAGGATGAAAATGGGATAAATAGACCAGTCTGTTCCCTATGTTAAACCACTTCGAGCTGGACGGCT
 TCTTGATACTCCAAGGCAAGCAGCAAGATTTGTTAATGTCCTTGGTTATGAACGAGCCCCCTGTTATTGGA
 GGAGGAGGTAACAGGAGCAGTGGTGCCTCTGCTGGCCTTTCTCTGTAGAAAACAAGGTTGACTGTGAAG
 ATCACGCTAACCTTCTGTGCAGCCTTCTCTTGGATATGGATTAGAAGCCTTTGTTTGTGTTGGGACCA
 GGCAAAAGGAGTACCTCATGCATGGGTTATGACTTGTGGAACCTGATGGGGCCATCACTTTTTGGGAGAGT
 TTAACAGGACACAGGTACATCCATAAACCTACCAATCCTGATGAACCTCCAGTTGCTGAACAGCCCAAC
 CACTGTACCCATATCGAACAATTGGTTGTTTTCAACCATCAGATGTTCTGGGAAATGTCAACCTC
 TGATGCAGTAGAAAACCTGTGATTTGATTGAAACGATGAATCCAATGGAACCCATGAGTGAGGAAGCA
 ATTAATCTGTGTGCTCCTGGAGCTACAACATCCCTTCTCCCTTTCCACCTCTGTGTGCATCCACAA
 TTGACGCGTCAGTAACAAGTAATGAAATGAAATGCAGCTGAGGCTCCTGGTGTGAGAACACAGGAAGGA
 TCTTGGCCTCACTACTGTTTGGGAAGACCAGCTCTCTACCTTTTATCACCAGCTTTGGCTTCTTATGAA
 TTTGAGCGTACAACAAGTATATCAGCAGGCAATGAAGAATTTCAAGATGCCATAAGAAGGCTGTACCTG
 ATGGTCACACATTTAAAGGTTCCCAATACATTTTGTGTATAGAATGCAAGACGTGCATTTGCCACATG
 TCTTCGATCTCCTTTCTGTGAAGAAATAATCTGTTGCCGTGGAGACCAAGTGCAGCTGCCAGTTCGTGTC
 CGAGATTTACTTACCCTGAATCTGCATGTGCTGTTGGATCATGTTTGCTTGTAAATATCGCTCGGTAT
 TA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG232992 representing NM_001271989
 Red=Cloning site Green=Tags(s)

MSLPPEKASELKQLIHQQLSKMDVHGRIREILAETIREELAPDQQLSTEDLIKALRRRGIIDDVMKELN
 FVTDSVEQELPSSPKQPICFDRQSTLKKSDGTRMADSTTMLSISDPIHMLIKTDIFGETTLVASYFLEW
 RSVLGSENVVTSLTVELMGVGTESKVSILNIKLEMYPPLNQTLSQEVVNTQLALERQKTAEKERLFLV
 YAKQWWREYLQIRPSHNSRLVKIFAQDENGINRPVCSYVKPLRAGRLDTPRQAARFVNVLYGERAPVIG
 GGGKQEQWCTLLAFLCRNKGDCEDHANLLCSLLLGYGLEAFVVCVGTKAKGVPHAWVMTCGTDGAIWFWS
 LTGHRYIHKPTNPDEPPVAEQPKPLYPYRTIGCVFNHQMFLGNCQPSDAVETCVFDLNDKSKWPMSEEA
 IKSVCAPGATTSPPFPPLCASTIDASVTSNEIEMQLRLLVSEHRKDLGLTTVWEDQLSYLLSPALASYE
 FERTTSSISAGNEEFQDAIRRAVPDGHFTKGFPIHFVYRNARRAFATCLRSPFCEEIICCRGDQVRLAVRV
 RVFTYPESACAVWIMFACKYRSVL

SGP**TRRRLE** - GFP Tag - V

Restriction Sites:

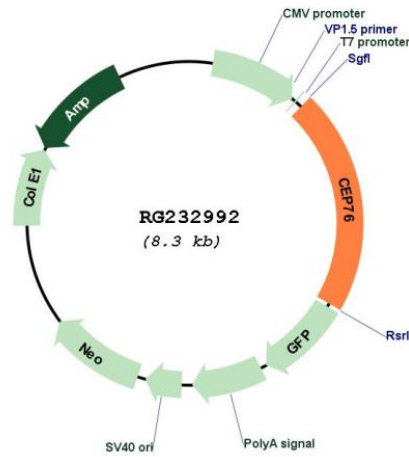
Sgfl-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001271989

ORF Size: 1752 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:	<ol style="list-style-type: none">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_001271989.1 , NP_001258918.1
RefSeq Size:	2722 bp
RefSeq ORF:	1755 bp
Locus ID:	79959
UniProt ID:	Q8TAP6
Cytogenetics:	18p11.21
Gene Summary:	This gene encodes a centrosomal protein which regulates centriole amplification by limiting centriole duplication to once per cell cycle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]