

## Product datasheet for **RG207536**

### **CESK1 (CCT8L2) (NM\_014406) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	CESK1 (CCT8L2) (NM_014406) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CESK1
Synonyms:	CESK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG207536 representing NM\_014406  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACAGCACAGTCCCTTCAGCCCTGGAGCTGCCCCAGCGGCTGGCACTGAACCAAGGGAGAGCCCGA  
 GGAGTCCAGAAGAGGAGAGCCCACTGCTGAGCAGCTTGCTGCACTCCAGACCTGGCCAGTGCAT  
 CCGGCCTTGCTATGGCCCCACGGCCGGCAGAAGTTCCTGGTGACCATGAAAGGAGAAACAGTGTGCACG  
 GGGTGTGCCACTGCCATCCTCAGGGCCCTGGAGCTGGAGCACCCAGCAGCATGGCTCCTCCGGGAAGCAG  
 GACAAACCCAGGCAGAGAATAGTGGGGACGGCACAGCCTTCGTGGTTCTGCTGACGGAAGCCTTGCTGGA  
 ACAGGCAGAGCAGCTGCTGAAGGCTGGCCTGCCTCGCCCGCAGCTCCGGGAGGCCACGCCACGGCCACT  
 GCAGAGTCTGGCCACACTGCCCTCCCTGGCCATCCAATCTCTGGGGCCTTTGGAAGATCCATCCTGGG  
 CCCTCCATTCTGTGATGAATACCCACACCCTGTCCCCATGGACCACTTGACCAAGCTGGTGGCCACGC  
 CTGCTGGGCTATCAAGGAACTAGACGGCAGCTTCAAGCCTGAGCGTGTTGGGGTGTGCGCGCTGCCCGGG  
 GGGACACTGGAGGATTCCTGCCTCCTCCCGGGTTAGCAATATCTGGGAAGCTCTGTGGGCAATGGCCA  
 CAGTGTTAAGTGGTGCCAGGGTGGCTCTTTGCTTGCCCTTTGGTCTGCCATCCAATGCACCAGC  
 AACGGCCCGTCTTTCTAGTCTGCTGATCTAGCTCAATTTAGTAAAGGAAGCGATCAATTAAGAAAAG  
 CAAGTAGGCCAGCTAGCAGCTGCAGGAATTAATGTGGCAGTGGTGTGGGGGAGGTCGACGAGGAGACCC  
 TCACACTGGCGGACAAGTATGGCATCGTGGTGAATCAAGCTAGGCTTGGATGGAGATCATTTACCTGAG  
 TGAGGTGTGGACACACCTCTGCTGCCTCGTCTGCTCCCTCCCGAGGCCAGGCAAGTCCAGAGGGTT  
 TACAGGCAGGAGCTGGGAGATGGTTGGCTGTGGTATTTGAATGGGAATGTACAGGCACACTGCCCTCA  
 CTGTGGTTCTCAGGGGAGCCACCACCCAGGGGCTGCGGAGTGCAGAGCAGGCCGTCTACCACGGCATTGA  
 TGCTATTTCCAGCTATGTCAAGATCCCAGACTGATTCCAGGAGCTGGGGCCACAGAAATGGCTTTGGCA  
 AAAATGCTTTCTGATAAAGGAAGCAGATTGGAAGGCCAGTGGGCTGCATTCTAGCATTGCTGGG  
 CCCTGAAGTATCTTCTAAAACCTTTGGCAGAGAATGCAGGCTTAGCTGTCTCAGACGTGATGGCAGAAAT  
 GAGTGGAGTGCACCAAGGTGGGAACCTCCTAATGGGTGTGGGAAGTGAAGGGATAATAAATGTGGCCAG  
 GAAGGGGTGTGGGACACCCTAATAGTCAAAGCCCAAGGATTTGAGCAGTGGCTGAGGTGGTCTACAGC  
 TCGTACTGTAGTGAATCGTAGTGGCAAGAAAAGTCCACACATCAGGAGATCTGGAATCCTGACTC  
 CAAGAAGACAAAACACCCACCTCCTGTGAAAACAAAAAATCCTTGATTGAATAAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG207536 representing NM\_014406  
 Red=Cloning site Green=Tags(s)

MDSTVPSALELPQRLALNPRESRSPSEEEEPHLLSSLAAVQTLASVIRPCYGPGRQKFLVTMKGETVCT  
 GCATAILRALELEHPAAWLLREAGQTQAENSGDGTAFVLLTEALLEQAEQLLKAGLPRPQLREAYATAT  
 AEVLATLPSLAIQSLGPLEDPSWALHSVMNHTLSPMDHLTKLVAHACWAIKELDGSFKPERVGVICALPG  
 GTLEDSCLLPGLAISGKLCQMATVLSGARVALFACPFPAHPNAPATARLSSPADLAQFSKGSQDQLEK  
 QVQQLAAAGINVAVVLGEVDEETLTLADKYGIVVIQARSWMEI IYLSEVLDTPLLPRLPPQRPQKQRV  
 YRQELGDGLAVVFEWECTGTPALTVVLRGATTQGLRSAEQAVYHGIDAYFQLCQDPRLIPGAGATEMALA  
 KMLSDKGSRLGSPGPAFLAFWALKYLPKTLAENAGLAVSDVMAEMSGVHQGGNLLMGVGTGEGINVAQ  
 EGVWDTLIVKAQGFRAVAEVLQLVTVDEIVVAKKSPHQEIWNPDSSKTKKHPPPVTETKILGLNN

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_014406

**ORF Size:** 1671 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\\_014406.3](#)

**RefSeq Size:** 2065 bp

**RefSeq ORF:** 1674 bp

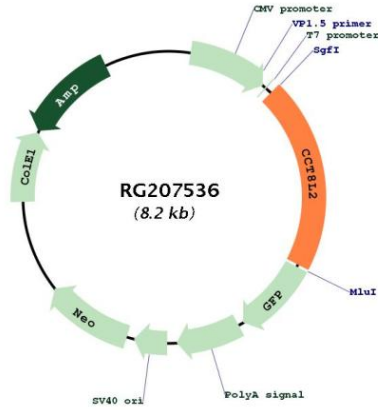
**Locus ID:** 150160

**UniProt ID:** [Q96SF2](#)

**Cytogenetics:** 22q11.1

**Gene Summary:** Possible molecular chaperone; assists the folding of proteins upon ATP hydrolysis. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG207536