

Product datasheet for **MG208671**

Cct7 (NM_007638) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct7 (NM_007638) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cct7
Synonyms:	AA408524; AL022769; Cctth; Cctz
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208671 representing NM_007638
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGCCACACCAGTTATCCTGTTGAAAGAGGGTACTGATAGCTCCCAGGGCATCCCTCAGCTCGTGA
 GTAACATCAGTGCCTGCCAAGTATTGCTGAGGCTGTAAGAACCACCCTGGTCCCCGTGGCATGGACAA
 ACTTATTGTGGATGGCCGAGGCAAGCAACAATATCTAATGATGGGGCCACAATTCTGAAACTCCTCGAT
 GTTGTCATCCTGCAGCAAAGACTTTAGTGGACATAGCCAAGTCCCAGGATGCTGAGGTTGGTATGGCA
 CCACCTCAGTGACCCTGCTGGCTGCGGAGTTTCTGAAGCAGGTGAAGCCCTACGTGGAAGAAGGTTTACA
 CCCTCAGATCATCATCCGAGCTTCCGCACAGCCACCCAATTGGCTGTTAACAAAATCAAAGAGATAGCT
 GTGACTGTGAAGAAGCAAGATAAAGTAGAGCAGAGGAAGATGCTGGAGAAGTGTGCGATGACAGCCCTGA
 GCTCCAAGCTGATCTCCAGCAGAAGGTCTTCTCGCCAAGATGGTGGTTGATGCCGTGATGATGCTTGA
 CGAGCTGCTGCAGCTTAAATGATTGGCATCAAGAAGGTGCAGGGGGAGCCCTGGAGGAGTCTCAGCTA
 GTTGCTGGTGTTCGCTTCAAGAAGACTTTCTCTTATGCTGGGTTTGAAATGCAGCCCAAGAAGTATAAGA
 ACCCCAAGATTGCCCTCTTAAATGTTGAGCTTGAGCTGAAAGCAGAGAAAAGATAATGCTGAAATCAGAGT
 CCACACAGTGGAGGATTACCAGGCAATTGTTGATGCCGAGTGGAAATTTCTCTATGACAAGTTAGAGAAG
 ATCCATCAGTCTGGAGCCAAAGTCATCTTGTCTAAACTCCCTATTGGGGATGTGGCCACCAGTACTTTG
 CTGATAGGGACATGTTCTGTGCTGGCCGAGTGCCTGAGGAGGATCTGAAGAGGACGATGATGGCTTGTGG
 AGGCTCAATCCAGACCAGTGTGAATGCTCTGGTCCAGATGTGCTGGGCCACTGCCAAGTGTGTAAGAG
 ACCCAAATTGGAGGAGAGAGGTACAATTTCTTCACTGGCTGCCCTAAGGCCAAGACATGTACCATCATCC
 TCCGTGGTGGCGCTGAGCAGTTTATGGAAGAGACAGAGAGGTCCCTACATGATGCCATCATGATTGTGAG
 GAGGGCCATCAAGAATGACTCTGTGGTGGCTGGTGGTGGAGCCATCGAGATGGAACTTTCCAATACCTG
 CGGGATTACTCGAGGACCATTCTGGAAGCAGCAGCTGTTGATTGGGGCATATGCCAAGCCCTGGAGA
 TTATTCCACGACAGCTATGTGACAACGCTGGCTTTGATGCCACAAACATCCTCAACAAGCTGCGGGCTCG
 ACACGCACAGGGAGGTATGTGGTATGGGGTGGACATCAACAATGAGAACATCGCCGACAACCTCCAGGCA
 TTTGTGTGGGAGCCAGCCATGGTGCATCAACGCTCTGACAGCAGCTTCTGAGGCTGCATGCCTTATTG
 TGTCGGTGGATGAGACTATCAAGAACCCCGCTCCACTGTGGATCCTCCAGCTCCATCAGCTGGCCGTGG
 CAGAGGCCAAGCCCGCTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208671 representing NM_007638
 Red=Cloning site Green=Tags(s)

MMPTPVILLKEGTDSSQIPQLVSNISACQVIAEAVRRTLGPRGMDKLIIVDGRGKATISNDGATILKLLD
 VVHPAAKTLVDIAKSQDAEVDGTTSVTLAAEFKQVKPYVEEGLHPQIIIRAFRTATQLAVNKIKEIA
 VTVKKQDKVEQRKMLEKAMTALSSKLSISQKQVFFAKMVVDVAVMMLDELLQLKMIGIKKVQGGALEESQL
 VAGVAFKKTFSYAGFEMQPKKYKNPKIALLNVELELKAEKDNAEIRVHTVEDYQAIVDAEWNILYDKLEK
 IHQSGAKVILSKLPIGDVATQYFADRFMFCAGRVPEEDLKRTMMACGGSIQTSVNALVPDVLGHCQVFEE
 TQIGGERYNFFTGCPKAKTCTIILRGGAEQFMEETERSLHDAIMIVRRAIKNDSVVAGGGAIEMELSKYL
 RDYSRTIPGKQQLLIGAYAKALEIIPRQLCDNAGFDATNINLKLRRARHAQGGMWYGVDDINNENIADNFQA
 FVWEPAMVRINALTAASEAACLIIVSVDETIKNPRSTVDPAPPSAGRGRGQARFH

TRTRPLE - GFP Tag - V

Restriction Sites:

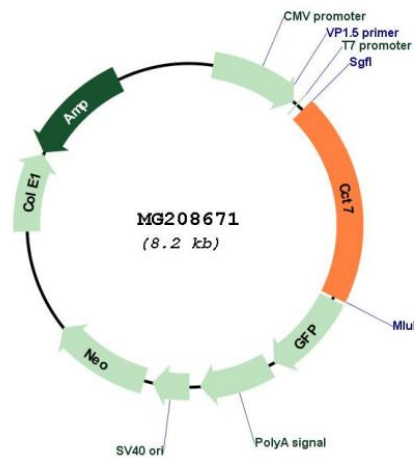
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	NM_007638
ORF Size:	1632 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_007638.4
RefSeq Size:	1881 bp
RefSeq ORF:	1635 bp
Locus ID:	12468
UniProt ID:	P80313
Cytogenetics:	6 C3
Gene Summary:	Component of the chaperonin-containing T-complex (TRiC), a molecular chaperone complex that assists the folding of proteins upon ATP hydrolysis. The TRiC complex mediates the folding of WRAP53/TCAB1, thereby regulating telomere maintenance. The TRiC complex plays a role in the folding of actin and tubulin.[UniProtKB/Swiss-Prot Function]