

Product datasheet for **RR212169**

Cct5 (NM_001004078) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cct5 (NM_001004078) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cct5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR212169 representing NM_001004078
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGTCCGTGGGGACCCTCGCCTTCGATGAGTATGGGCGCCCTTTCTTATTATCAAGGACCAAGATC
 GCAAGTCTCGTCTCATGGGGCTTAGGGCCCTCAAGTCTCACATCATGGCTGCCAAAGCTGTAGCAAACAC
 AATGCGGACGTCCTGGGACCAAACGGGCTGGATAAGATGATGGTTGATAAGGATGGTGTGACTGTG
 ACCAACGATGGTCCACCATTCTAAGCATGATGGATGTTGATCATCAGATTGCCAAGCTGATGGTTGAAC
 TGTCCAAATCCCAGGATGATGAAATGGAGATGGGACCACAGGAGTGGTTGTCTGGCTGGTCCCTGTT
 GGAAGAAGCTGAGCAGCTGCTGGACCGAGGCATCCATCCTATCAGAATTGCTGATGGCTACGAACAGGCC
 GCCCGAATTGCTATTAGCACCTGGACAAAATCAGCGATAATGTGCTTGTGACATAAACACCCCGAAC
 CTCTGATTGACTGCAAAAACCACACTGGGCTCAAAGTGGTTAACAGCTGTCACCGACAAATGGCTGA
 GATTGCCGTCAATGCTGTCTCACAGTGGCTGATATGGAGCGGAGAGATGTTGACTTTGAGCTCATCAA
 GTGGAAGGCAAAAGTAGGTGGGCGCTGGAGGACACCAAACCTTATAAAGGGTGTGATCGTTGATAAGGACT
 TCAGTACCCACAGATGCCGAAAGAAGTGTGAATGCTAAGATTGCAATTCTCACGTGCCATTTGAACC
 ACCTAAACCAAAGACAAAGCACAAAGTTGGATGTCACATCTGTGGAGGACTACAAAGCCCTGCAGAAGTAC
 GAAAAGGAAAAGTTTGAAGAGATGATTGCGCAGATAAAAGAACTGGTGCTAACCTAGCTATTTGCCAGT
 GGGGCTTTGATGATGAAGCTAATCATTTACTTCTCAGAACCGCCTGCCTGCAGTTCGCTGGGTAGGAGG
 ACCTGAGATTGAGCTGATCGCCATTGCAACAGGAGGCCGATTGTCCCAAGTTCTCAGAGCTTACCTCT
 GAGAAGCTGGGCTTTGCCGGTGTGGTGCAGGAGATCTCATTGGCACTACAAAAGACAAAATGCTGGTTA
 TTGAGCAGTGAAGAAGTCTAGAGCTGTGACCATTTTCATCAGAGGAGGAAACAAGATGATCATTGAAGA
 AGCAAAAACGATCTCTCCATGATGCCCTGTGTGTCATCCGGAACCTCATCCGTGATAACCGTGTGTGTAT
 GGAGGAGGGCAGCTGAAATATCCTGCGCCTGGCAGTACGCAAGAGGAGCAGACAAGTGCACCACTCTGG
 AACAGTACGCCATGAGAGCTTTGCGCAGACGCTTGGAGGTGATCCCATGGCCCTTTAGAAAACAGTGG
 CATGAATCCCATCCAGACCATGACTGAAGTCCGAGCTAGACAAGTGAAGGAGTCTAACCTGCCCTGGGG
 ATTGACTGTCTGCACAAGGGCAGTAATGATATGCAGTATCAGCATGTCATAGAAACCTTGATTGGTAAAA
 AGCAGCAGATCTCTTTGCCACACAGATGGTTAGGATGATTCTGAAGATTGATGACATCCGTAAGCCTGG
 AGAATCTGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212169 representing NM_001004078
 Red=Cloning site Green=Tags(s)

MASVGTLAFDEYGRPFLIIKDQDRKSRLMGLEALKSHIMAAKAVANTMRTSLGPNGLDKMMVDKGDVTV
 TNDGATILSMDVDHQIAKLMVELSKSQDDEIGDGTGTVVLAGALLEEAEQLLDRIHPRIADGYEQA
 ARIAIQHLDKISDNVLDINNPEPLIQAKTTLGSKVVNSCHRQMAEIAVNAVLTVADMERRDVFELIK
 VEGKVGGRLEDTKLIKGVIVDKDFSHQPMPKEVLNAKIAILTCPFPPKPKTKHKLDVTSVEDYKALQKY
 EKEKFEEMIAQIKETGANLAICQWGFDEANHLLQLQGLPAVRWVGPEIELIAIATGGRIVPRFSELTS
 EKLGFAGVVREISFGTTKDKMLVIEQCKNSRAVTIFIRGGNKMIIEEAKRSLHDALCVIRNLIIRDNRVY
 GGGAAEISCALAVSQEADKCPITLQYAMRAFADALEVIPMALSENSGMNPIQTMTEVRRARQVKESNPALG
 IDCLHKGSNMQYQHVIEITLIGKKQIISLATQMVRMILKIDDIRKPGESE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

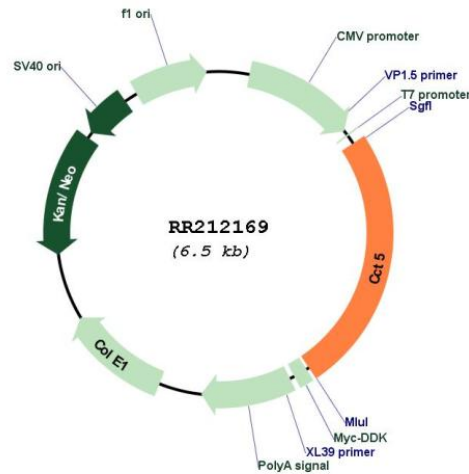
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN:	NM_001004078
ORF Size:	1623 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:	<u>NM_001004078.1, NP_001004078.1</u>
RefSeq Size:	1766 bp
RefSeq ORF:	1626 bp
Locus ID:	294864
UniProt ID:	<u>Q68FQ0</u>
Cytogenetics:	2q22
MW:	59.5 kDa
Gene Summary:	mouse homolog is a subunit of the TCP-1-containing chaperone involved in actin and tubulin folding [RGD, Feb 2006]