

Product datasheet for MR205684

Cwc27 (NM_026072) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cwc27 (NM_026072) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cwc27
Synonyms:	3110009E13Rik; NY-CO-10; Sdccag10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205684 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAATGCTGGTCCACATGATAATGGCAGCCAGTTTTTTCTTTACTCTGGGCCGAGCAGATGAACTTA
ACAATAAGCACACCATCTTTGGAAAGGTTACAGGAGATACAGTGTACAACATGCTACGCCTGACAGAAGT
AGATATTGATGATGAAGAAAGACCCCGCAATCCACATAGAATCAAGAGTTGTGAGGTTTTGTTAATCCT
TTTGATGACATCACTCCAAGAGAAATTTAAAGCCCAAGAATGAGAAGCCAGAAGAAGAAGTTAAGAAAT
TGA AACCTAAAGGCACAAAAATTTTAGTTTACTTTCTTTGGAGAAGAAGCTGAGGAGGAGGGAAGA
GGTGAACCGAGTCAGTCAGAGCATGAAGGGGAGAAGTAAGAGCAGCCATGACCTGCTCAAGGACGACCCG
CATCTAAGCTCTGTCCCAGCAGTGGAAAGTGAAAAGATGATGCAACAGGAGATTTAGAAGATGATGGTG
AGGATGACAGTGCAGAGCGTGACGAATACATGGAAGATGATGAGAAGAACCTGATGAGAGAAAGAATTGC
AAAACGGTTAAAGAAAGATGCAAGTGCCAGTGTGAAGTCAGCCGAGACGGGGAGAAGAAGCCGGCAAGC
CGAAGTGAAGAGCTCAGGAAAGAAGCAAGGCAGTTAAACGAGAACTCTTAGCAGCGAAACAGAAGAAAG
AACTGCCACAAAAGTGGAGGAAGGAAGGAAGGAAGAAGCTGCCCCAGATGGCGCTGTTGCAGAGTA
CAGCGGAGAAAAGCAGAAGTATGAAGCTTTGCGGAAGCAACAGCCAAAGAAGGGAAGCTCCCGCAGGAC
CAGACCCTGGCACTACTGAGCCAGTTTAAATCTAAGCTCAAGCAATTACTGAAACACCTGAAAAAC
GTGTTCTGAAGCAGAAGTGGAGGACGATGAAGGCTGGATGTACATGTGCTCCAGTTTGAAGACAAAAC
CAGAAAAGTGAAGATGCAAGCATGCAGGACTCAGACACATTTGAAATCTATGATCCTCGGAACCCAGTG
AACAAAAGGAGACGGGAAGAGAGCAAAAAGCTGTTGAGAGAGAAGAAGAAGGCGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205684 protein sequence
 Red=Cloning site Green=Tags(s)

MANAGPHDNGSQFFFTLGRADELNKHTIFGKVTGDTVYNMLRLTEVDIDDEERPRNPHRIKSCEVL FNP
 FDDITPREIKPKNEKPEEEVKLKPKGTKNFSLLSFGEEAEVEEVNRVVSQSMKGRSKSSHDLKDDP
 HLSSVPAVESEKDDATGDLEDDGEDDSAERDEYMEDDEKNLMRERIAKRLKGDASAVKSAGDGEKKPAS
 RSEELRKEARQLKRELLAAKQKKEATKVEEGREEEEAAPDGAVAEYRREKQKYEALRKQPCKGT SRED
 QTLALLSQFKSLTQAITETPENSYPEAEVEDDEGWMSHVLQFEDKTRKVKDASMQSDTFEIYDPRNPV
 NKRRREESKLLREKKERR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026072

ORF Size: 1110 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 Size: 1884 bp

RefSeq ORF: 1410 bp

Locus ID: 67285

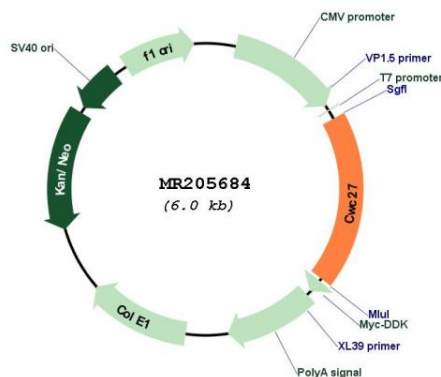
UniProt ID: [Q3TKY6](#)

Cytogenetics: 13 D1

MW: 42.4 kDa

Gene Summary: As part of the spliceosome, plays a role in pre-mRNA splicing. Probable inactive PPIase with no peptidyl-prolyl cis-trans isomerase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205684