

Product datasheet for **RG223566**

SDCCAG10 (CWC27) (NM_005869) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SDCCAG10 (CWC27) (NM_005869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SDCCAG10
Synonyms:	NY-CO-10; RPSKA; SDCCAG-10; SDCCAG10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG223566 representing NM_005869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCAACATCTACATCCAGGAGCCTCCACGAATGGGAAGTTTTATTGAAAACCTACAGCTGGAGATA
 TTGACATAGAGTTGTGGTCCAAAGAAGCTCCTAAAGCTTGCAGAAATTTTATCCAACTTTGTTTGGGAAGC
 TTATTATGACAATACCATTTTTTCATAGAGTTGTGCCTGGTTTCATAGTCCAAGGCGGAGATCCTACTGGC
 ACAGGGAGTGGTGGAGAGTCTATCTATGGAGCGCCATTCAAAGATGAATTTTCATTACGGTTGCGTTTTTA
 ATCGGAGAGGACTGGTTGCCATGGCAAATGCTGGTTCTCATGATAATGGCAGCCAGTTTTTCTTCACT
 GGGTCGAGCAGATGAACCTAACAAATAAGCATACCATCTTTGGAAAGGTTACAGGGGATACAGTATATAAC
 ATGTTGCGACTGTCAGAAGTAGACATTGATGATGACGAAAGACCACATAATCCACACAAAATAAAAAAGCT
 GTGAGGTTTTGTTAATCCTTTTGTGACATCATTCCAAGGAAATTTAAAGGCTGAAAAAGAGAAACC
 AGAGGAGGAAGTAAAGAAATTGAAACCCAAAGGCACAAAAATTTTAGTTTACTTTTCATTTGGAGAGGAA
 GCTGAGGAAGAAGAGGAGGAAGTAAATCGAGTTAGTCAGAGCATGAAGGGCAAAAAGCAAAAGTAGTCATG
 ACTTGCTTAAGGATGATCCACATCTCAGTTCTGTTCCAGTTGTAGAAAAGTAAAAAGGTGATGCACCAGA
 TTTAGTTGATGATGGAGAAGATGAAAGTGCAGAGCATGATGAATATTTGATGGTATGAAAAGAACCCTG
 ATGAGAGAAAGAATTGCCAAAAAATTA AAAAAGGACACAAGTGCGAATGTTAAATCAGCTGGAGAAGGAG
 AAGTGGAGAAGAATCAGTCAGCCGAGTGAAGAGCTCAGAAAAGAAGCAAGACAATTA AACCGGGAAC
 CTTAGCAGCAAAACAAAAAAGTAGAAAATGCAGCAAAACAAGCAGAAAAAGAAGTGAAGCTTTGAGGAAGCAAC
 GCCCTCCAGATGGTGTGTTGCCGAATACAGAAGAGAAAAGCAAAAGTATGAAGCTTTGAGGAAGCAAC
 AGTCAAAGAAGGGAACCTCCCGGAAGATCAGACCTTGCAGTCTGAACCAAGTTAAACTAACTCAC
 TCAAGCAATTGCTGAAACGCCTGAAAATGACATTCCTGAAACAGAAGTAGAAGATGATGAAGGATGGATG
 TCACATGTACTTCAGTTTGGAGATAAAAAGCAGAAAAGTGAAGATGCAAGCATGCAAGACTCAGATACAT
 TTGAAATCTATGATCCTCGGAATCCAGTGAATAAAAAGAAGGAGGGAAGAAGCAAAAAGCTGATGAGAGA
 GAAAAAGAAAGAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG223566 representing NM_005869
 Red=Cloning site Green=Tags(s)

MSNIYIQEPPTNGKVLKTTAGDIDIELWSKEAPKACRNFIQLCLEAYDNTIFHRVVPGFIVQGGDPTG
 TGSGGESIYGAPFKDEFHSRLRFNRRGLVAMANAGSHDNGSQFFFTLGRADELNNKHTIFGKVTGDTVYN
 MLRLSEVDIDDERPHNPHKIKSCEVLFNPFDDIIPREIKRLKKEKPEEEVKLKPKGTKNFSLLSFGEE
 AEEEEEEVNRVSQSMKGKSKSSHDLKDDPHLSSVPVVESEKGDAPDLVDDGEDESAEHDEYIDGDEKNL
 MRERIAKLLKDDTSANVKSAGEGEVEKKSYSRSEELRKEARQLKRELLAAKQKVENAAKQAEKRSEEEE
 APPDGAVAEYRREKQKYEALRKQSKKGTSTREDQTLALLNQFKSKLTQAI AETPENDIPETEVEDDEGWM
 SHVLQFEDKSRKVKDASMQSDTFEYDPRNPVNRREEESKMLMREKKERR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_005869

ORF Size: 1416 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_005869.4](#)

RefSeq Size: 2093 bp

RefSeq ORF: 1419 bp

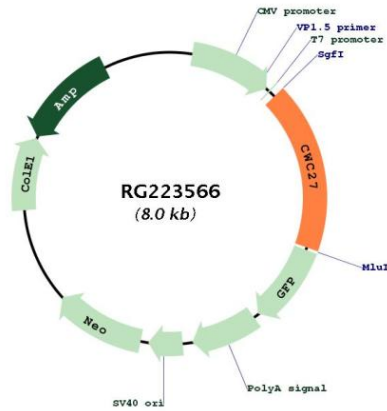
Locus ID: 10283

UniProt ID: [Q6UX04](#)

Cytogenetics: 5q12.3

Gene Summary: As part of the spliceosome, plays a role in pre-mRNA splicing (PubMed:29360106). Probable inactive PPIase with no peptidyl-prolyl cis-trans isomerase activity (PubMed:20676357). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG223566