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Product datasheet for RC223065

CSAG2 (NM_004909) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CSAG2 (NM_004909) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CSAG2
Synonyms:	CSAG3B; CT24.2; TRAG-3; TRAG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC223065 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGATGGGCCTCATCCAATTAGTTGAAGGTGTTAAGAGAAAAGACCAAGGTTTCCTGGAAAAGGAAT
TCTACCACAAGACTAACATAAAAATGCGCTGTGAGTTTCTAGCCTGCTGGCCTGCCTTCACTGTCCTGGG
GGAGGCTTGGAGAGACCAGGTGGACTGGAGTAGACTGTTGAGAGACGCTGGTCTGGTGAAGATGTCCAGG
AAACCACGAGCCTCCAGCCCATTGTCCAACAACCACCCACCAACACCAAAGAGGTTCCCAAGACAACCCG
GAAGGGAAAAGGGACCCATCAAGGAAGTTCCAGGAACAAAAGGCTCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

Protein Sequence:

```
>RC223065 protein sequence
Red=Cloning site Green=Tags(s)

MWMGLIQLVEGVKRKDQGFLEKEFYHKTNIKMRCEFLACWPAFTVLGEAWRDQVDWSRLLRDAGLVKMSR
KPRASSPLSNNHPPTPKRFPRQPGREKGPIKEVPGTKGSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
```

Chromatograms:	https://cdn.origene.com/chromatograms/mk6442_g11.zip
Restriction Sites:	SgfI-MluI

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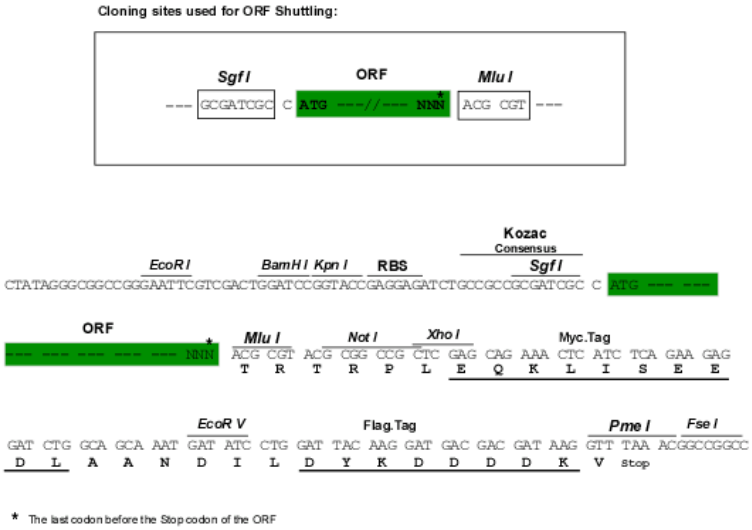
Cloning Scheme:



ACCN:	NM_004909
ORF Size:	330 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_004909.1, NP_004900.1
RefSeq Size:	796 bp
RefSeq ORF:	332 bp

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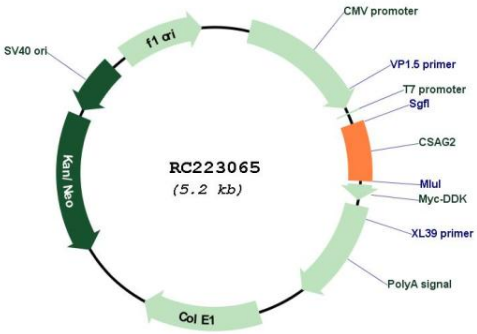
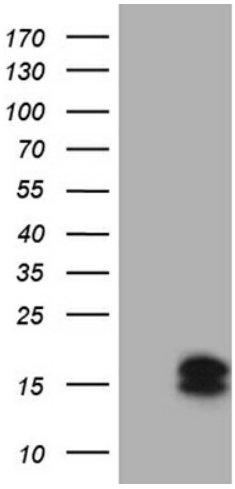
Locus ID:	728461
Cytogenetics:	Xq28
MW:	12.7 kDa

Product images:



Circular map for RC223065



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CSAG2 (Cat# RC223065, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CSAG2 (Cat# [TA810621])(1:500). Positive lysates [LY417663] (100ug) and [LC417663] (20ug) can be purchased separately from OriGene.

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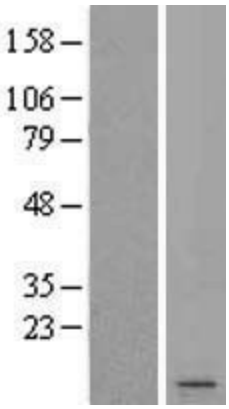

Western blot validation of overexpression lysate (Cat# [LY417663]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223065 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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