

Product datasheet for RC208981

CASKIN2 (NM_020753) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CASKIN2 (NM_020753) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CASKIN2
Synonyms:	ANKS5B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC208981 representing NM_020753 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ATGGGTCGTGAACAGGACCTGATCCTCGCCGTC AAGAATGGAGATGTGACCGGTGTGCAGAACTGGTGG
CGAAGGTCAAGGCCACAAAGACAAGCTCCTGGGCTCCACAAAGAGGCTCAACGTGAACCTACCAGGATGC
TGATGGATTCTCTGCCCTCCACCAGCTGCTTTGGGGGCGAGCCTGGAGCTCATAGCCTTGCTGCTAGAG
GCTCAGGCCACTGTTGACATCAAGGACAGCAATGGCATGCGCCCGCTGCACTACGCAGCCTGGCAGGGCC
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CCATGCCTGGTCAACAAGGCCAAGAAGACGCCCTGGACCTGGCCTGTGAATTTGGCCGACTCAAGGTGG
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GCTATGATGTGCCTACCATCAGCCGCATGACACCTGAGGACCTGACGGCCATCGGGGTGACCAAGCCTGG
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Protein Sequence: >RC208981 representing NM_020753
 Red=Cloning site Green=Tags(s)

MGREQDLILAVKNGDVTGVQKLVAKVKATKTKLLGSTKRLNVNYQDADGFSALHHAALGGSLELIALLLE
 AQATVDIKDSNGMRPLHYAAWQGRLEPVRLLLRASA AVNAASLDGQIPLHLAAQYGHYEVSEMLLQHOSN
 PCLVNAKAKTPLDLACEFGRLKVAQLLLNSHLCVALLEGEAKDPCDPNYTTPLHLAAKNGHREVIRQLLR
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 IGARSRSGSHSQEPAPQPSGGDPSPQERNLPEGTERPPKLCSSLPQGPPPYVFMYPQGSPPSPAPGP
 PPGAPWAFSYLAGPPATPPDPPRPKRSHSLSRPGTEGD AEAGEAEGPVGSTLGSYATL TRRPGRSALVR
 TSPSVTTPARGTPRSQSFALRARRKGGPPPPPKRLSSVSGSPPEPPLDESPGKEGATGPRRRTLSEP
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 TPLAPSPAMQPPVPCPGPLESSAASRWNETEPPAAPAALLKVPGAGTAPKPVSVACTQLAFSGPKLA
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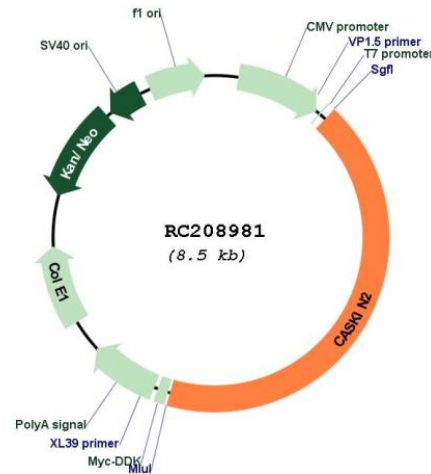
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020753

ORF Size: 3606 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_020753.5](#)

RefSeq Size: 5005 bp

RefSeq ORF: 3609 bp

Locus ID: 57513

UniProt ID: [Q8WXE0](#)

Cytogenetics: 17q25.1

MW: 126.8 kDa

Gene Summary: This gene encodes a large protein that contains six ankyrin repeats, as well as a Src homology 3 (SH3) domain and two sterile alpha motif (SAM) domains, which may be involved in protein-protein interactions. The C-terminal portion of this protein is proline-rich and contains a conserved region. A related protein interacts with calcium/calmodulin-dependent serine protein kinase (CASK). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]