

Product datasheet for RR213130

Caskin2 (NM_001107065) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Caskin2 (NM_001107065) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Caskin2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213130 representing NM_001107065
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGGCCGTGAACAGGACCTTATCCTTGCTGTCAAGAATGGAGACGTGACCTGCGTGCAGAAGCTGGTGG
CTAAAGTGAAGGCTGCAAAAACAAGCTCCTTGCTCCACGAAGAGACTCAACATCACTACCAGGATGC
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GCTCAAGCCACTGTGGACATCAAGGACAGCAATGGCATGCGTCCCTACACTATGCGGCCTGGCAGGGCC
GGCTGGAGCCTGTGAAGCTGCTGCTGAGGGCGTCCGCGGCTGTCAATGCTGCCTCTCTGGACGGTCAAT
CCCTCTGCACCTGGCTGCACAGTATGGGCATTATGAGGTGTGAGAGATGCTTCTCCAGCACCAGTCTAAC
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CAACTACACCACACCCCTGCACTTGGCTGCCAAGAATGGCCACAGAGAAGTCATCAGGCAGCTCTTGAA
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CTGAGGTGGTGGGCTGCTGCTGGAGGGAGGTGTGGATGTGAATATCCGGAACACATATAACCAGACAGC
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GACTTGTTGGAGTGGCTGTGTGCACTGGGGCTGCCACAGTACCACAAGCAACTGGTGAGCAGCGGCTATG
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CTGGCTGACCAGTTGGATGCCATGCTGGAC

ACGGTACGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence: >RR213130 representing NM_001107065
 Red=Cloning site Green=Tags(s)

MGREQDLILAVKNGDVTVCVQKLVAKVKAATKLLGSTKRLNINYQDADGFSALHHAALGGSLELIALLLE
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 PCLVNLKKTPLDLACEFGRLKVAQLLLNHLCVALLEGEAKDPCDPNYTTPLHLAAKNGHREIVIRQLLK
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 TESDVTVRRPKCKEREPLRTALLAFGVVSDTPGPSTPLSSQAPCEAPSAPSNNPRSESSLPSQEAPAP
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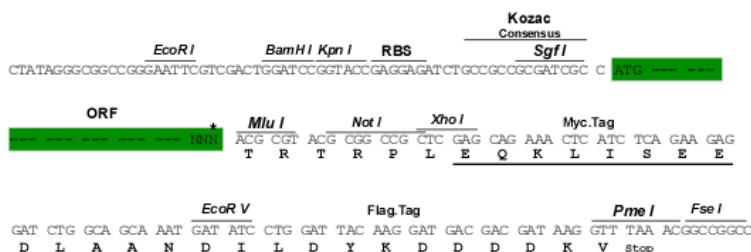
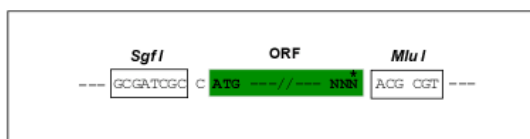
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

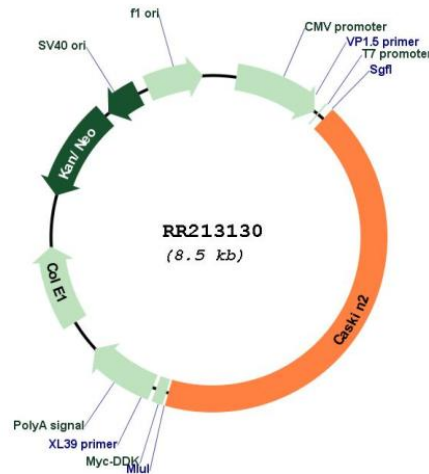
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107065

ORF Size: 3600 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_001107065.1](#), [NP_001100535.1](#)

RefSeq Size: 4879 bp

RefSeq ORF: 3603 bp

Locus ID: 303678

Cytogenetics: 10q32.1

MW: 127 kDa