

Product datasheet for **RN213130**

Caskin2 (NM_001107065) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Caskin2 (NM_001107065) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Caskin2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213130 representing NM_001107065 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCCGTGAACAGGACCTTATCCTTGCTGTCAAGAATGGAGACGTGACCTGCGTGCAGAAGCTGGTGG
CTAAAGTGAAGGCTGCAAAAACAAGCTCCTTGCTCCACGAAGAGACTCAACATCACTACCAGGATGC
CGATGGATTCTCTGCCCTCCACCATGCTGCCTTGGGGGGCAGCCTGGAGCTCATAGCCTTGCTGGAG
GCTCAAGCCACTGTGGACATCAAGGACAGCAATGGCATGCGTCCCTACACTATGCGGCCTGGCAGGGCC
GGCTGGAGCCTGTGAAGCTGCTGCTGAGGGCGTCCGCGGCTGCAATGCTGCCTCTCTGGACGGTCAAT
CCCTCTGCACCTGGCTGCACAGTATGGGCATTATGAGGTGTGAGAGATGCTTCTCCAGCACCAGTCTAAC
CCGTGCCTAGTCAACAAGTTGAAGAAGACACCCCTAGACCTAGCCTGTGAATTTGGACGGCTCAAGGTGG
CCCAGTGTCTTTGAACAGCCACTTATGTGTGGCATTGCTGGAGGGAGAGGCAAAGGACCCATGTGACCC
CAACTACACCACACCCCTGCACTTGGCTGCCAAGAATGGCCACAGAGAAGTCATCAGGCAGCTCTTGAAA
GCCGGTATTGAGATCAACCGCCAGACCAAGACCGGCACTGCCCTCCACGAGGCCGCGCTCTACGGCAAAA
CTGAGGTGGTGGGCTGCTGCTGGAGGGAGGTGTGGATGTGAATATCCGGAACACATATAACCAGACAGC
ACTGGACATAGTGAATCAGTTCACCACCTCCAGGCCAGCCGGGAAATCAAGCAGCTACTTCGGGAGGCT
TCAGGGATCTTGAAGTTGAGCGCTTAAGGATTTCTGGAATCTTCATGACCCCACTGCTCTCAATATCC
GGCAGGAGATGTCATCACGGTCTTGAACAGCATCCTGATGGCCGCTGGAAGGGCCACATCCACGAGAG
CCAAAGGGGCACAGACCGTGTGGCTACTTCCCCCGGGCATCGTCGAGGTGGTCAAGCAGCGGTGGGC
ATACCGGTGACCCGCTCTCCCTCTGCACCCACCTGCTGCGGCCAAGCTTCTCCCGGATATCACAGCCAT
CGGCTGATGATCCCTGCCATCTCTACCTACGGCCAGCTCCCTCGGTGGGCTCAGCCAGACAGTCC
AGCAGGTGACAGGAACAGCGTGGCAGCGAGGGAGCGTGGGCAGCATCCGACGCGTGGCAGTGGGCAG
AGCTCTGAAGGCACCAATGGCCATAGCACTGGTCTCCTGATTGAAAATGCTCAGCCACTACCCCTGCCA
ATGAGGACCAAGTACTGCCAGGTCTGCATGCCCGTCCCGCAGACAACTGAGCCACCGTCTCTGCGC
CAGTTACCGCTCTGGGAGATCTTACCAGGATGTGAGACCAGAACAGCTGCTCGAAGGGAAGGACGCA
CAGGCCATCCATAACTGGTTAAGTGAATTCAGCTAGAGGGCTACTGCCCCTCTCTGCAGGCCGGCT
ATGACGTGCCAACCATCAGCCGGATGACACCTGAGGATCTGACGGCCATTGGAGTGACCAAGCCCGGACA
CAGGAAGAAGATCGCCTCAGAGATTGCTCAGCTCAGCATTGCTGAATGGTGCCTCAACTATATCCCGGTG



GACTTGTGGAGTGGCTGTGTGCACTGGGGCTGCCACAGTACCACAAGCAACTGGTGAGCAGCGGCTATG
 ACTCCATGGGGCTGGTGGCCGATCTCACCTGGGAGGAGCTGCAGGAGATCGGCCTGAACAAGCTAGGCCA
 TCAGAAGAAGCTTATGCTAGGTGTGAAGAGGCTAGCAGAACTTCGGCGGGGCTACTGCATGGCGAAGCC
 CTAGGTGAAGGTGGACGCCGGATGACCAGGGTCTGAGCTGATGGCCATTGAAGGCCTGGAGAACGGGG
 ACAGTCCAGCTACGGCCGGCCCTCGCTCCTCACCTTTTCAGGGCAGTGAGCTGAGCCAGAGCTACAGGC
 AGCTATGGCGGGGGTGGCCAGAACCACTACCCTTCCCCTGCCGTTCTCCTAGCCAGGAGAGCATT
 GGTGCACGCTCCAGGGATCTGGTCATTACAGGGACAGCCTGGTCCCAGCCCAATGCTGGTGAGCCCA
 GTGCCCCACAGGAGAGGAACCTTCTGAGGGTACAGAGCGCCCTTTAAGCCTTGCTCTCCACTCCCTGG
 CCAAGGACCTGCCCTTATGTCTTTATGTGTCCACAGAGCCTACCCTCTAGCCCGGCCCCAGCACCACT
 CCTGGTGTCCCAGGGCTTCTCCTACTTGGTGGCTCTTCTGCCGCTCCTCCAGACCCACCCCGGCCGA
 AACGCCGTCTCACAGCCTGAGCCGCCCTGGCCCTGCTGAGGGGGAGGCTGAAGGGGAGGCTGAAGGGCC
 AGTGGGTAGTGCTTTGGCAGCTATGCCACACTGACTCGGAGACCGGGACGCAGCACCCCTTGCCCGACT
 AGTCTAGCCTGACCCCAACTCGAGGGACTCCCCGAAGCCAGTCTTTGCCCTCCGTGCCGTGCTAAAG
 GTCCCCGCCCCCGCCCCAAGCGCCTCAGTTCCGTCTCTGGTCCACTGAGCCAACTTACTAGAGGG
 GACCTCAGGGCCCAAGGAAGGGGCCGAGTCCCGGAGGAGAACAAGTGAAGCAACCGGCCCTCA
 GAGTCCCCTGCTCCTTCTGCGCCAAGTGGCCCTGTGTCCGACACTGAGGAAGAGGAACCTGCTTTGAGG
 GGACACCGCTTCTCGGGCAGCTCAGGGGAAGGGCTGCCATTTGCAGAGGAAGGAACCTGACTATCAA
 GCAGCGACCGAAACCAGCCGGTCCCCTCCCCTGAGACAAGTGTGCCCTGGCCTTGACTTCAATCTC
 ACAGAGTCAGACACGGTCAAACGAGGCCCAATGCAAGGAGAGAGGCCACTACGGACTGCACTGTTGG
 CCTTTGGGGTAGTGGGACGTGATACCCCTGGCCCTCCACTCCCCTGTCTCCAGGCCCGGTGTAAGC
 TCCCTCAGCTCCTCTAACCCCTCACGGTCTGAGCCCAGCAGCCTTCCATCTCAAGAAGCCCCAGCTCCT
 CTCAGCCCCGTAAGTCAAGCCCTGGGCACCCAGGGCCAGTGTGGACCAGTCTGAAACCTCAACAG
 GCAGTAGACAGAAGCTGGACACGGAGCCTCCAGTCCCCCGCTGCCCTCCTCAAAGTCCCTGGAGCAGG
 AACAGTCCCAAGCCTGTGTCTGTGGCCTGCACTCAGTGGCATTCTTGGCCCAAGCTGGCTCCCCGG
 CTCGGCCCTCGCCAGTTCCTCCCAAGGCCTGAGAATACCGGGCCTGTGTGTCAGGTGCGGCCCAAC
 AGAGACTGGAGCAGACCAGCTCATCCTTGAAGCTGCACTGAGGGCGGCTGAGAAGAATTGGCTCTGA
 GGAACAAGATGGCCCCACAGGGCCATCCACCAAGCACATTCTGGACGACATCAGTACCATGTTTGTGCC
 CTGGCTGACCAGTTGGATGCCATGCTGGACTGA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001107065
- Insert Size:** 3603 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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