

Product datasheet for MR211797

Caskin2 (NM_080643) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Caskin2 (NM_080643) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Caskin2
Synonyms: 1600028L06Rik; mKIAA1139
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR211797 representing NM_080643
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGGTCGTGAACAGGACCTTATCCTTGCCGTCAAGAATGGAGACGTGACCTGCGTGCAGAACTGGTGG
CTAAAGTGAAGGCTGCAAAAACAAGCTCCTGGGCTCCACGAAGAGACTCAACATTAACCAGGATGC
TGATGGATTCTGCTCTCCACCAGCTGCCTTGGGGGCGAGCCTGGAACATAGCCTTGTCTGGAG
GCTCAAGCCACTGTGGACATCAAGGACAGCAATGGCATGCGCCCCCTACACTATGCAGCCTGGCAGGGCC
GCCTGGAGCCCGTGAGACTGCTGCTCCGGGCTTCCGCCGTGTCAACGCTGCCTCGTGGATGGGCAGAT
CCCCCTGCACCTGGCTGCGCAGTACGGGATTATGAGGTGTGAGAAATGCTTCTCCAGCACCAGTCTAAC
CCATGCCTAGTCAACAAGTTGAAGAAGACACCCCTAGACCTAGCCTGTGAATTTGGGCGGCTCAAGTGG
CCCAGTCTTTTTGAACAGCCACTTATGCGTGGCACTGTAGAGGGAGAGGGCAAGGACCCATGTGACCC
CAACTACACCACACCCCTGCACTTGGCTGCCAAGAATGGCCACAGAGAAGTATCAGGCAGCTCTTGAAA
GCTGGTATTGAGATCAACCGCCAGACCAAGACAGGCACCCGACTCCACGAGGCTGCGCTGTATGGCAAGA
CTGAGGTGGTGGGCTGCTCCTGGAGGGAGGTGTGGACGTGAATATCCGGAACACATATAACCAGACGGC
GCTGGACATAGTCAATCAGTTCACCACCTCCCAGGCCAGCCGGGAAATCAAGCAGTACTTCGAGAGGCT
TCAGGGATCTTGAAGTTGAGCGCTTAAGGATTTCTGGAACCTTCATGACCCACCCGCTCTCAATGTCC
GAGCAGGAGATGTCATCACGGTGTCTGAAACAGCACCCCGATGGCCGCTGGAAGGGCCACATCCATGAGAG
CCAAAGGGGCACAGACCGTGTGGCTACTTCCCCCGGGCATCGTCGAGGTGGTACGCAAGCGGGTGGGC
ATCCCTGTGGCCGCTCCCTCTGCCCCACCCCTCTGCGACCAAGCTTCTCCCGATATCACAACCTG
CGGCCGACGATCCCTGCCATCTGTCCCTACGGCCAGCTCCCTCGGGTGGGCTCAGCCAGACAGTCC
AGCAGGTGACAGGAATAGCGTGGCAGCGAGGGTAGCGTGGCAGCATCCGAGTGTGGCAGCGGGCAG
AGCTCTGAAGGCACCAACGGCCATGGCACTGGCCTCCTGATTGAGAACGCTCAGCCACTGCCCTCTGCCA
GTGAGGACCAGGGACTGCCAGGCTGCATGCCCGTCCCAGCAGACAACCTGAGCCACCCGCTCTGGC
CGTTACCGCTCTGGAGAGATCTCACCCAGGATGTGAGACCAGAGCAGTACTGGAAGGAAGGATGCA



[View online »](#)

CAGGCCATTCAAACCTGGCTAAGTGAGTTCAGCTAGAGGGCTACACTGCCCACTTCTGCAGGCTGGCT
ACGATGTGCCGACCATCAGCCGGATGACACCTGAGGATTTGACGGCCATTGGGGTGACCAAGCCTGGACA
CAGGAAGAAGATCGCCTCGGAGATTGCCAGCTTAGCATTGCTGAGTGGCTGCCAATTATATCCCGGTG
GACTTGTGGAGTGGCTGTGTGCACTGGGGCTGCCGAGTACCACAAGCAGCTGGTGAGCAGCGGCTACG
ACTCTATGGGGCTGGTGGCCGACCTCACCTGGGAGGAGCTGCAGGAGATAGGCGTGAACAAGCTGGGGCA
CCAGAAGAAGCTAATGCTAGGTGTGAAACGGCTGGCAGAACTTCGGCGGGGCTGCTGCATGGAGAAGCC
CTGGGTGAAGGCGGACCCGGATGACCAGGGGTCAGAGCTGATGGCCATCGAAGGCCTGGAGAATGGGG
AAGGCCCAACTACAGCTGGCCCTCGCTCCTCACCTTTCAGGGCAGTGAGCTGAGCCAGAGCTACAGGC
AGCCATGGCAGGGGTGGCTCAGAACCCTACCCCTTCTCCGGCCGTTCTCCTAGCCAGGAGAGCATT
GGCGCCCGCTCACGGGGCTCTGGTCACTCACAGGAACAGCCTGTTCCCGAGCCAGTGTGGTGACCCCA
GCGCCCCACAGGAGAGGAACCTTCGGAGGGTACAGAGCGCCCTCTAAGCTTTGTTCTCCGCTCCCTGG
CCAAGGACCTGCCCATATGTCTTTATGTGTCCACAGAATTACCCTCTAGCCAGCCCAAGGGCCACT
CCTGGTGTTCGGGGCTTCTCCTACTGGCTGGCTCTCGGCCGCTCTCCAGACCCACTCGGCCGA
AGCGCCGGTCTCACAGCTTGAGCCGCCCTGGCCCTGCTGAGGGGAAGCTGAAGGGGAGGCTGAAGGGCC
AGTGGGAGTGCCTGGGAGTTATGCCACGCTTACTCGGAGACCAGGACGCAGCACCTTGGCCGGACT
AGTCTAGCCTGACCCCAACTCGAGGGACCCCGAAGCCAGTCTTTGCCCTCCGTGCCCGTCTGAAAG
GGCCCCACCCCAACCCCAAGCGCTCAGTTCTGTCTCTGGTCCACCAGCCACCTTCACTAGACGG
AACCTCGGGGCCAAGGAAGGGGCCACAGGTCCCGGAGGAGAACAAGTGAAGCAACCCGGCCCTCG
GAGTCCCTGGTCTTCCGACCAACTGGCCCTGTGTGCGACACAGAAGAGGAACCTGGCCCTGAGGGAA
CACCCCATCTCGGGGAGCTCAGGGGAAGGCCTGCCATTGCGAGAGGAGGGGAACCTGACTATCAAGCA
GCGGCCAAGCCAGCCGGTCCCCCTCCCGTGAGACACCTGTGCCCTGGCCTTGAATCAACCTCACA
GAGTCAGATACTGTCAAACGCAGGCCAAGTGCAAGGAGAGAGGCCACTACAGACTGCACTGTTGGCCT
TTGGGGTAGTGGCAGTGATACCCCGGGCCCTCCAATCCCTGTCCACCAAGCCCGTGTGACCCCTCC
CTCAGTTCCTTAACCTCCACAACGGTCTGAGCCAGCGTCTTCCATCGCAAGGAACCTCAGCCTCT
TCTCTCAGCTCTGTAACCTCAGTCCCTGGGCACCCAGGGCCAGTGTGACCCGCTCTGGCAAACCTCCA
CAGGCAGTAAGCCCAATGTGGAGACGGAGCCTCCGGCTCCCGGCCGCTCTCAAAGTGCCTGGAGC
AGGAACAGCTCCCAAGCCTGTGTCTGTGGCCTGCACTCAGCTGGCATTTCAGGCCCAAAGCTGGCCCC
CGGCTCGTCCCGTCCAGTACCCCTCCAAGGCCGAGAATACCGGGCCTGTGTGTCCAGGTGGGGCC
AACAGAGACTGGAACAGACCAGCTATCCTTGGAAGCCGACTGAGGGCAGCTGAGAAGAGCATTGGCAC
CGAGGAACGAGACGGCCACAGGGACGTCTACCAAGCACATTCTGGATGACATTAGCACTATGTTTCGAT
GCCCTGGCGGACCAGCTGGATGCTATGCTGGAC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211797 representing NM_080643
 Red=Cloning site Green=Tags(s)

```

MGREQDLILAVKNGDVTVCVQKLVAKVKAATKLLGSTKRLNINYQDADGFSALHHAALGGSLELIALLLE
AQATVDIKDSNGMRPLHYAAWQGRLEPVRLLLRASAANAASLDGQIPLHLAAQYGHYEVSEMLLQHOSN
PCLVNLKKTPLDLACEFGRLKVAQLLLNSHLCVALLEGEAKDPCDPNYTTPHLAAKNGHREVIRQLLK
AGIEINRQTKGTALHEAALYKTEVVRLLLEGGVDVNIIRNTYNQATLDIVNQFTTSQASREIKQLLREA
SGILKVRALKDFWNLHDPALNVRAGDVITVLEQHPDGRWKGHIHESQRGTDVRVGYFPPGIVEVSKRVG
IPVARLPSAPTPLRPSFSRISQPAADDPLPSVPYQQLPRVGLSPDSPAGDRNSVSGSEGSVRSAGSGQ
SSEGTNGHGTGLLIENAQPLPSASEDQGLPGLHAPSPADNLSHRPLAGYRSGEIFTQDVRPEQLLEGKDA
QAIHNWLEFQLEGYTAHFLQAGYDVPTISRMPEDLTAIGVTKPGHRKKIASEIAQLSIAEWLPNYIPV
DLLEWLCALGLPQYHKQLVSSGYDSMGLVADLTWEELQEIGVKNLGHQKLMGKVKRLAELRRLLHGEA
LGEGRRMTRGPELMAIEGLENGEGPTTAGPRLLTFQGSSELSPELQAAMAGGGSEPLPLPPARSPQESI
GARSRSGSHSQEQPVPQPSVGDPSAPQERNLPEGTERPSKLCSPGQGPAPYVFMCPQNLSPSPAGPP
PGVPRAFSYLAGSPAAPPDPPRKRSHLSRPGPAEGEAEGEAEGPVGSALGSYATLTRRPGRSTLART
SPSLTPTRGTPRSQSFALRARRKGGPPPPPKRLSSVSGSTEPPSLDGTSGPKEGATGPRRRTLSEPTGPS
ESPGPSAPTGPVSDTEEEPGEPTPPSRGSSGEGLPFAEEGNLTIKQRPKPAGPPPRETPVPPGLDFNLT
ESDVTVKRRPKCKEREPLQTALLAFGVVGS DTPGSPNPLSTQAPCDPPSASSNPPQRSEPSVLPSQGT SAS
SLSSVTQSPGHPGPSAGPALANSTGSKPNVETEPAPPAAALLKVPGAGTAPKPVSVACTQLAFSGPKLAP
RLGPRPVPPRPENTGPVCPGRAQQRLEQTSSSLEAALRAAEKSI GTEERDGTGTSTKHILDDISTMFD
ALADQLDAML D
  
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9097_f03.zip

Restriction Sites: SgfI-MluI

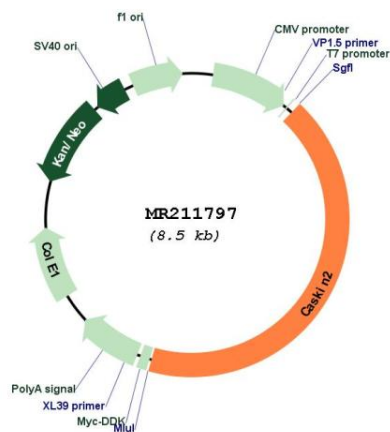
Cloning Scheme:



ACCN: NM_080643

ORF Size: 3603 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: | <ol style="list-style-type: none"> 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_080643.2 , NP_542374.2 |
| RefSeq Size: | 4762 bp |
| RefSeq ORF: | 3606 bp |
| Locus ID: | 140721 |
| UniProt ID: | Q8VHK1 |
| Cytogenetics: | 11 E2 |
| MW: | 126.8 kDa |

Product images:


Circular map for MR211797