

## Product datasheet for **MG211797**

### Caskin2 (NM\_080643) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Caskin2 (NM_080643) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Caskin2
Synonyms:	1600028L06Rik; mKIAA1139
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211797 representing NM_080643 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGTCGTGAACAGGACCTTATCCTTGCCGTCAAGAATGGAGACGTGACCTGCGTGCAGAACTGGTGG  
CTAAAGTGAAGGCTGCAAAAACAAGCTCCTGGGCTCCACGAAGAGACTCAACATTAACCAGGATGC  
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GCTCAAGCCACTGTGGACATCAAGGACAGCAATGGCATGCGCCCCCTACACTATGCAGCCTGGCAGGGCC  
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CCCCCTGCACCTGGCTGCGCAGTACGGGATTATGAGGTGTGAGAAATGCTTCTCCAGCACCAGTCTAAC  
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CCCAGTCTTTTTGAACAGCCACTTATGCGTGGCACTGTAGAGGGAGAGGGCGAAGGACCCATGTGACCC  
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CAGGCCATTCAAACCTGGCTAAGTGAGTTCAGCTAGAGGGCTACACTGCCCACTTCTGCAGGCTGGCT  
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CGAGGAACGAGACGGCCCCACAGGGACGTCTACCAAGCACATTCTGGATGACATTAGCACTATGTTTCGAT  
GCCCTGGCGGACCAGCTGGATGCTATGCTGGAC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211797 representing NM\_080643  
 Red=Cloning site Green=Tags(s)

MGREQDLILAVKNGDVTVCVQKLVAKVKAATKLLGSTKRLNINYQDADGFSALHHAALGGSLELIALLLE  
 AQATVDIKDSNGMRPLHYAAWQGRLEPVRLLLRASA AVNAASLDGQIPLHLAAQYGHYEVSEMLLQHOSN  
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 SSEGTNGHGTGLLIENAQPLPSASEDQGLPGLHAPSPADNL SHRPLAGYRSGEIFTQDVRPEQLLEGKDA  
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 GARSRGS GHSQE QPVPQPSVGDPSAPQERNLPEGTERPSKLC SPLPGQGPAPYVFMCPQNL PSSPAPGPP  
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 SPSLTPTRGTPRSQSFALRARRKGP P P P P P KRLSSVSGSTEPPSLDGTSGPKEGATGPRRRTLSEPTGPS  
 ESPGPSAPTGPVSDTEEEPGPEGTPPSRGSSG ELPFAEEGNLTIKQRPKPAGPPPRETPVPPGLDFNLT  
 ESDTVKRRPKCKEREPLQTALLAFGVVGS DTPGPSNPLSTQAPCDPPSASSNPPQRSEPSVLPSQGT SAS  
 SLSSVTQSPGHGPSAGPALANSTGSKPNVETEP PAPP AALLKVPGAGTAPKPVSVACTQLAFSGPKLAP  
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TRTRPLE - GFP Tag - V

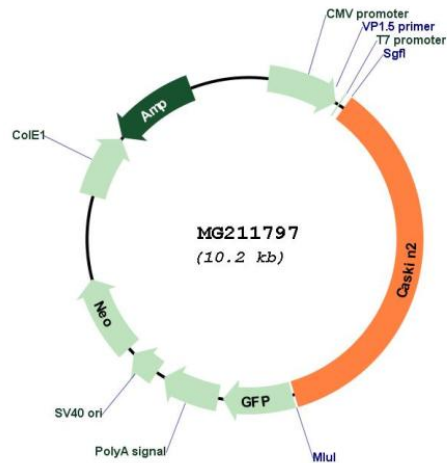
Restriction Sites:

SgfI-MluI

Cloning Scheme:



## Plasmid Map:



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:

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