

Product datasheet for **MR224394**

1190002N15Rik (NM_001033145) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1190002N15Rik (NM_001033145) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	1190002N15Rik
Synonyms:	GoPro49; HASF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224394 representing NM_001033145
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCGCTGGTGCCCTGAAGCTGGGCGCCTGTCCCGTGCAGCTGAAGCTGGCGCGCTCGGCAGCC
 TGTTGGTGTGATGCTGCTGCACTCGCCGTCGCTGCTCGCTCCTGGCAGCGCAACGAGCTCGCCGACCG
 GCGCTTCTGCAGCTCAATAAGTGCCCGCGCTGCTTCGGCACGAGCTGGTGCCGCGCTTCTCAACGGC
 CAGGTGGGCTTCGAGACGTGGGGCCGCTGCGCCTGCTGGACTTCTCAACGTGAAGAACGTGTACTTCG
 CGCAGTACGGGAGCCCCGCGAGGGCGCCGCGCGCTGGTGTCAAGCGCCTGGTTTCGAGCGCGA
 GCTGGCGAGCTCGACCAGAGCATCTGCAAGCGGGCCACCGCCGCGCGCTGCGACCTGCTCCAGGCC
 ATGCCCGCACCGAGTTCGCGCTCAACGGCGACGTGCGGCTGCTCACGCCGAGGCGGTGGAGGTT
 GGTGGACCTGGTGCAGTCCCTCGCAGCCTGCTGGACCGCTGGTGCAGCGCTACGCGGAGACCAA
 GGACTCGGGCAGTTTCTGCTGCGTAACCTCAAGGACTCCGAGCGCATGCAGCTGCTGCTCACCTGGCC
 TTCAACCCGAGCCGCTGGTGTACAGAGTTTCCATCTGATGAAGTTGGCCATTTGCAAAATATCTTG
 GAGCTTGTGGAAGAATGGTGGCTGTAAATTATGTTGGAGAAGAAGTGTGGAGTTATTTAATGCACCATG
 GGAGAAGAGAGTTGACCTTGCTTGGCAGTTAATGGAGATAGCAGAGCAGCTTACAAACAATGACTTTGAA
 TTTGCACTCTACCTCTGGAGCTCAGCTTTGACAACTTTGCAAGTTGGTCCAAGAGATGGGAAAGTAAATCA
 TTGTGGATGCCGAAAATGTTTTAGTTGCCGACAAAAGATTAATTAGACAAAATAAGCCTGAGAATTGGGA
 CGTATGGTATGAAAGCAAGTTTACGATTGTGACAAGGAAGCTTGCTTGTCAATTTCAAAGAAATCCTC
 TGTGCTCGTGTACTGTGGACCACAATTACTATGCCGTTTGTGAGAACCTTTATCCAGACATGCCACCT
 GGCGCGGCACTTCTGGAGGACTCCTCATGATCCACCAAGTGAATTTGCCAAAGATGGCCGACTGGAGGC
 CTGTCTGGATGAGTGACCAACCCCAAGAAACGCTATGGCCGGTCCAGGCCGAAAAGAAGTGCCTGGC
 TATCTGGCACAGTTAAGTACAATGTGAGG

ACGCGTACGCGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224394 representing NM_001033145
 Red=Cloning site Green=Tags(s)

MWRLVPLKLGRLSRALKLAALGSLLVLMMLHSPSLLASWQRNELADRRFLQLNKCPACFGTSWCRRFLNG
 QVGFETWGRLRLDFLNVKNVYFAQYGEPPREGRRRVVLKRLGSQRELAQLDQSIICKRATGRPRCDLLQA
 MPRTFARLNGDVRLLTPEAVEGWSDLVHCPQRLLDRLVRRYAETKDSGSFLLRNLKDSERMQLLLTLA
 FNPEPLVLQSFPSDEGWPFKYLGACGRMVAVNYVGEELWSYFNAPWEKRVDLAWQLMEIAEQLTNNDFE
 FALYLLDVSFDNFVAVGPRDGKVIIVDAENVLVADKRLIRQNKPENWDVWYESKFDDCDKEACLSFSKEIL
 CARVTVDHNYAVCQNLRSRHATWRGTSGLLHDPPEIAKDGRLLEALLDECTNPKKRYGRFQAAKELRG
 YLAQLSHNVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9090_c04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001033145

ORF Size: 1290 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_001033145.2](#), [NP_001028317.2](#)

RefSeq Size: 3950 bp

RefSeq ORF: 1293 bp

Locus ID: 68861

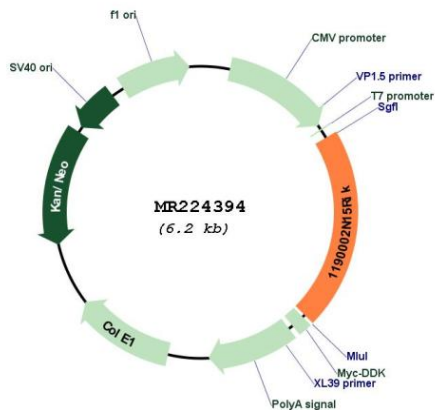
UniProt ID: [Q3USZ8](#)

Cytogenetics: 9 E3.3

MW: 49.5 kDa

Gene Summary: May play a role in cardiomyocyte proliferation through paracrine signaling and activation of the PI3-kinase signaling cascade.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224394