OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR202234

Ism1 (NM_001134552) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ism1 (NM_001134552) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ism1
Synonyms:	RGD1562551
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RR202234 representing NM_001134552
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTGCGCCTGGCCGCGGAACTGCTCCTGCTGCTGGGGCTGCTGCTGCTCACTCTGCACATCACCGTTC
TGCGCGGATCCGGAGCCGCCGACCGGCAGGACGCGGCCGCCAGCAACGTCAGCGGGTCCCAGCTGCAGAA
TAACCTCAACCTGGAGAGTGACTCCACATCAGAAACCAGCTTTCCTCTGTCCAAAGAAGCCCCAGAGGAG
CACCAGGTTGTCCACCAACCCTTCCCCAGACAACGATTCCCTCAGGAGACTGGGCATCCTTCACTGCAAA
GAGACGGCCCCAGATCCTTTCTCCTTGACCTACCAAACTTTCCAGATCTTTCCAAAGCTGATATCAATGG
GCAGAATCCAAATATTCAGGTCACCATAGAGGTGGTTGATGGCCCTGACTCTGAAGCAGAAAAAGATCAG
CATCCAGAGAACAAACCCAGCTGGTCACTCCCAGCTCCCGACTGGCGGGCCTGGTGGCAGAGGTCCTTGT
CCTTGGCCAGGACAAACAGTGGGGACCAGGATGACAAGTATGACAGTACCTCAGATGACAGCAACTTCCT
CAGTGTTCCTAGAGGATGGGACCGTCCAGCCCCAGGACACCGGACTTTTGAAACCAAAGAGCAGCCAGAG
TATGATTCCACAGACGGTGAGGGTGATTGGAGTCTCTGGTCTGTCTGCAGCGTCACCTGTGGAAATGGCA
ATCAGAAAAGGACCCGTTCCTGTGGCTATGCATGCATTGCCACAGAATCCAGGACCTGTGACCGTCCAAA
CTGCCCAGGAATTGAAGACACTTTCAGGACAGCAGCCACTGAAGTGAGTCTACTTGCGGGAAGCGAGGAG
TTTAATGCCACCAAGTTGTTTGAAGTTGACATGGACAGCTGTGAGCGATGGATGAGCTGCAAAAGTGAGT
TCTTAAAGAAGTACATGCACAAGGTGATCAATGACCTGCCCAGTTGCCCCTGCTCCTACCCCACTGAGGT
AGCCTACAGCACAGCTGACATCTTCGACCGCATCAAGCGCAAGGACTTCCGATGGAAGGATGCTAGCGGG
CCCAAAGAGAAACTAGAGATCTACAAGCCTACTGCTCGATACTGCATCCGCTCTATGTTGTCCCTAGAGA
GTACCACACTGGCTGCCCAGCACTGTTGCTATGGTGACAACATGCAGCTCATCACCAGGGGCAAAGGGGC
AGGCACACCCAATCTCATCAGCACCGAGTTCTCTGCTGAGCTCCACTACAAAGTGGACGTTCTGCCCTGG
ATTATCTGTAAGGGTGACTGGAGCAGATATAATGAGGCCAGGCCTCCCAATAATGGACAGAAGTGCACAG
AGAGCCCTTCTGATGAGGACTACATTAAACAGTTCCAAGAAGCCAGGGAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

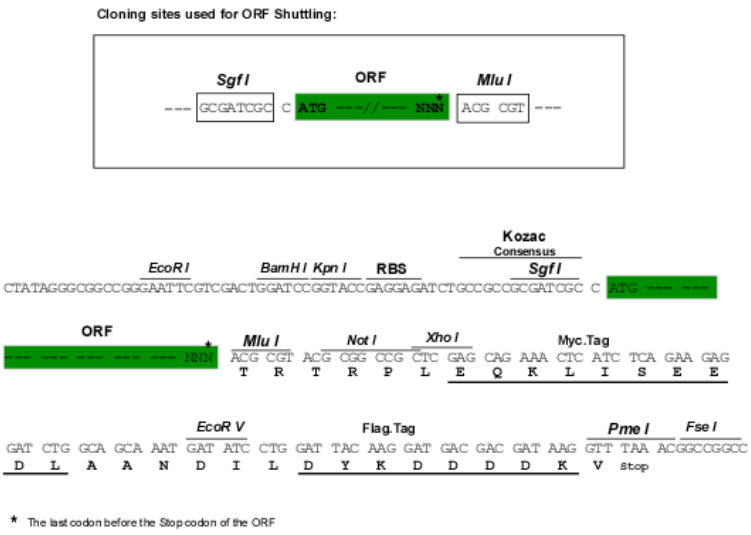
>RR202234 representing NM_001134552
Red=Cloning site Green=Tags(s)

MVRLAAELLLLLGLLLLTLHITVLRGSGAADRQDAAASNVSGSQLQNNLNLESDSTSETSFPLSKEAPEE
HQVVHQPFPRQRFPQETGHPSLQRDGPRSFLLDLPNFPDLSKADINGQNPNIQVTIEVVDGPDSEAEKDQ
HPENKPSWSLPAPDWRAWWQRSLSLARTNSGDQDDKYDSTSDDSNFLSVPRGWDRPAPGHRTFETKEQPE
YDSTDGEGDWSLWSVCSVTCGNGNQKRTRSCGYACIATESRTCDRPNCPGIEDTFRTAATEVSLLAGSEE
FNATKLFEVDMDSCERWMSCKSEFLKKYMHKVINDLPSCPCSYPTEVAYSTADIFDRIKRKDFRWKDASG
PKEKLEIYKPTARYCIRSMLSLESTTLAAQHCCYGDNMQLITRGKGAGTPNLISTEFSAELHYKVDVLPW
IICKGDWSRYNEARPPNNGQKCTESPSDEDYIKQFQEAREY

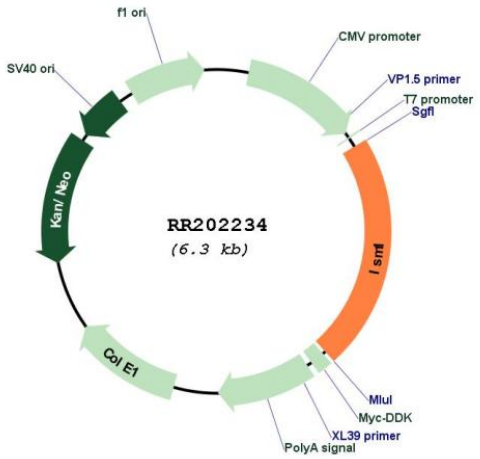
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134552

ORF Size: 1383 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_001134552.2, NP_001128024.1
RefSeq Size:	1386 bp
RefSeq ORF:	1386 bp
Locus ID:	311760
Cytogenetics:	3q36
MW:	51.9 kDa