

Product datasheet for MR211974

MIh3 (NM_175337) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MIh3 (NM_175337) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MIh3
Synonyms:	AV125803; BB126472
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211974 representing NM_175337 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGATCAGGTGTCTATCAGATGACGTAAAAACCAAGTTGCGTTCGGTTTAGCCATAAGCTCCTGGGCC
AGTGTGTTGAAGAACTTACCCTAACAGTATTGATGCTGAAGCAACATGTGTGGCCATCAGAGTGAATAT
GGAAACCTTCCAAGTTCAAGTGATAGACAATGGACTTGGGATGGCGGGGACGATGTAGAGAAGGTGGGA
AACCGGTATTTACTAGTAAATGCCACTCAGTGGGGACTTGGAGAACCAGCATTATTTGCTTCCGAG
GAGAGGCCTTGGCAAGTATAGCCGACATGGCTGGTGTGTGGAGATTTTCATCCAAGAAAAACACAACACT
GAAAACCTTTGTGAAAATGTTTCAGAATGAAAAAGCCCTTGCCACCCATGAGGCTGATTTGACCAGACCA
AGTGTGGGGACTACAGTAACGGTCTATAACCTGTTTTACCAGTTTCTGTGCGGAGGAAAAGCATGGATC
CTAGACTAGAGTTTGAGAAAAGTTCGGCAGAGGGTAGAAGCTCTCTCACTTATGCACCCCTCCATTTCTTT
CTCTTTGAGGAACGATGTATCTGGATCCATGGTTCTTCAGCTCCCTAAAACCAAAGACATATGCTCTCGA
TTCTGTCAAATTTACGGATTGGGCAAGTCCAAAAGTTAAGAGAAATACGTTTTAAATACAAGGAATTTG
AGTTCAGTGGCTACATCAGCTCTGAAGCACACTACAATAAGAATATGCAGTTTTTGTGTTGTAACAGAAG
ACTAGTTTTAAGAACAAGTTGCATAAACTTATTGACTTTTTATTAAGAAAAGAAAGCATTATATGCAGG
CCAAAGAATGGCTCTGCCAGTAGGCAAAATGAATCAAGTCTCGACACCGTTCTGCCTCAGAATCCAGC
GGATATATGTAATCAATGTGCAGTGCCCTTTCTGTGAGTATGATGTCTGCATAGAGCCAGCCAAAACCTCT
GATTGAGTTTCAGAGCTGGGATACCGTGTGATTGATTGATTCAGGAAGGAGTAAAAAGTTTTTAAAGCAA
GAAAAATATTTGTAGAATTATCAGGTGAAGATATTAAGGAATTAATGAAGATAATGGTTTTAGTTGT
TTGGCAGGACTCTCAGACACATGTGTCTACTCATGAGAAGTGTGACCAGAGCAGTTTCCGGGAAGCGTG
TAATAAAATCTGGATTCCTATGAAATGTTAATTTGAGTCAAAAGCTGTGAAAAGAATAGCTACTCTA
GAAAATAAAACCAGACAAAACCTGGTGATTTCAGAAACTATCAGAAAAAGACAGTGGGCTCATTGTACA
CAGATGCATCGGATGGCCGTGCTATAGTAAATCGGTAGAGTCTGTTTTACAGGACAGCAACAACAGTGC
TACTTAGAACCGAGGGTGCAGAAGAAGAGGTAGCCAAAACATCACACTCCGGAGAAAAAGAGAAATGG



[View online »](#)

AAAAATCTTTTTGGAAAAAAGACTTCAGGAAGGATACATGAAACCAGTCCAAAAATGTTTTCAAGCC
 CCATCAAATGCATCACCTCCTTGAGGAGAGAGAGGCAGATCTGGAAATGCAGACAATAAGTAGTACTGT
 TAATGTCATGGCTGCCAACATCCCCAAAAATATGACATTCAGGATCAACTGGAGAAATGGAAAGATGCT
 CCTGAAGTGGGGTGCCAACCTCTGCCTTTTGGAGACAACCTTATTAAGGGTACGGGGTACTCAGAGGAAGA
 AGGAAAGAAGGAAAAAGGAGCCAGTAGTCGTGGAAGAGTAAATGTTTTAGTTATGGACAAGTTAAATT
 ATGCTCCACTGGCTTTATAACTCATGTAGTACAAAGTGAGCAGCTAAATCAACTGAAACAGAACATTCA
 TTTAAAAATTATGCTCGACCTGGTCTGTAAAGTGCCCAAGAAACATTTGGAAAAAGAACACACCATTGCAA
 TTGAGACTCCAGACAGCAGTGATTTAACCAAGCACTTTAAGTAAAGAATCCAGTCAACCGCCCAACAAAAG
 GTTTTGCAGAACAATACAGGTTACGGGACAGAGAACAACCTGTAGCAACAGATGACAACCTGGCTCTT
 TTTGAGGAAAGCTGTAAGAATCACACACAGATCGCCTTTTGCCTGATGCATCCTCCTCCCATGGTGTA
 GATATGTTCCGATGGTGTAGGAAAAAGATAAAAAGGGTTCCTTCAAACAGGTAGTCCGTAGGAAGCT
 AAGCTTGCCTTACAAGTAGGCTCTTATAGAGAAGTTAAGAGGCAGTATGGGAAGGTGAGCAGTTCCTA
 GATACAGAAAAGGATAATAACTGAAGTCAGGACTCATCTTGATCCTCAAATGAACCCGATGTTCTTC
 TGAAGACAAGAGCCACTTAGATATGTCTGATGGTTGTGAGATCACTACTGTGGAGCACAGTGGAGCTTG
 TCAACCATTAAGTCCCATCTGTACCCAGAAAAATTTATTTTCCAAAGAAGATCGCTTAGAACAGATG
 CCTCATTTGAGAGAAAGTCTATAACTCTGGAAGAATTATCTCACTGTAACAGAAAAGCTGATGTTGAGA
 AGTCCGCTGCATCACTGGCTTCTAAATTATCCAACTAAAGGATTCTGAAAAAGAGATGCAACCCGTGGG
 GATGACAGGTCATACTAGTGAACCTCCAGATTCAAATCCAGTTGGAAAGATAATAGCCAGTGCCTAGG
 TTAGACTTGGATTTTTGTGAATTATAAAAACAACTTGAAAAATAGAGAGTGATATGCTTCCATGG
 CAGATTCTGCCACAGAGGATGGTCCCATCAATAAAAAACAGTGAACACCTCAACAATACAACGGATGA
 CACAGAGAAACCAGAACTCCTTTGCTGTTCCCTGTAATGATTCTAAAAACAGCAGAGATTGATGTT
 CTTATCAGAACTCAGAACAACCTACAGGAAACCTGACTCTGTCCGTAAGTGATAATGAGTCAGGTAG
 AGGATGGCATTGGCAGCCAAGGTGGAGTCTGTCCCAAGGTGATGAATCTAAGGCAAGATCTTGTCCAA
 AAATGAACCAAAACGCACACTGTATGGATTGGCAGCAGCATTTTGATGTAACCCCTGGGAAGAATGGTTTAC
 ATCAACAGAATGACAGGACTTAGCACATTCGTTGCTCCAACCTGACGACCTTCATACTGCTTGTACTAAAG
 ATCTGACAACCTGTGGCTGTGGATGCTGCTTGGGAATGATGCTGTGGATGCTGCTGCTGCTGCTGCTGCTG
 TGAACCCCTTCAGTCTCTGTTTTGAGAATGGAGCAATCCAGTGTGCTCGATACCCAGAGGTTGCTGTT
 GATGTCAGCAGTGGCCAGGCTGAGAGCTTAGCCGTTAAAATTCACAACGCTCTGTATCCCTATCGCTTCA
 CCAAAGAGATGATTCAGTGAAGGTTCTCCAGCAAGTGGATAACAAGTTTATTGCTGCTTAATGAG
 CACGAGGATGGATGAGGATGGCCGAACAGGTGGAACCTGTTAGTCTGGTGGACCAGCATGCTGCCCAT
 GAACGCATTCGTTTGGAGCAGCTTATTACTGATTCCTATGAGAAACAAGATCCACAAGCGCTGGCCGGA
 AGAAATTATTGCTTCCACAATAATCCCTCCACTGGCAATCACCGTGTGAGAGGAACAAAGGAGACTCTT
 ACGGCTTACCACAAACATTTAGAAGATCTGGGGCTTGAGTTGCTCTTCCAGATGCTAGTGATTCTCTG
 ATCCTGGTGGGAAAAGTCCGCTCTGCTTTGTAGAGAGAGAAGCTAGTGAGCTTCGAAGAGGACGCTCTA
 CTGTGACTAAGAGTATTGTGGAGGAATTAATTCGAGAACAAGTGGAGCTGCTCCAGACCACAGGAGGTAT
 CCAAGGGACACTGCCACTGACTGTCCAGAAGGTGTTGGCTCCAGGCTGCCATGGGGCTATTAAGTTT
 AATGATCGTCTGAGCCTAGAAGAGAGCTGCCGCTCATCGAAGCTCTGTCCTTGTCCAGCTGCCATTT
 AGTGTGCTCATGGGAGACCCTCAATGCTGCCCTTAGCTGACCTGGACACTTGGAGCAGGAAAAACAGGT
 TAAACCAACCTTGCTAACTTCGAAAAATGGTTCGTGCTGGCATCTCTTTGAAAAACAGAGCAGAAC
 CTGCAGCAGCCTATACGTCTTGTGAGCCTCCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211974 representing NM_175337
Red=Cloning site Green=Tags(s)

```
MIRCLSDDVKTKLRSGLAISSLGQCVEELTLNSIDA EATCVAIRVNMETFQVQVIDNGLGMAGDDVEKVG
NRYFTSKCHSVRDLENPAFYGFRGEALASIAMGAVEISSKNTTLKTFVKMFQNGKALATHEADLTRP
SVGTTVTYYNLFYQFPVRRKSM D PRLFEFEKVRQ RVEALSLMHPSISFSLRNDVSGSMVLQLPKTKDICS
FCQIYGLGKSQKLR EIRFKYKEFEFSGYISSEAHYNKMQLFVNRRLLVLRKTLHKLIDFLLRKESIICR
PKNGSASRQMNSSPRHRASELHG IYVINVC PFCEYDVCIEPAKTLIEFQSWDTVLICIQEGVKRFLKQ
EKL FVELSGEDIKEFNEDNGFSLFGTTLQTHVSTHEKCDQSSFREACNKILDSYEMFNLQSKAVKRIATL
ENKTRQNP GDSETIRKKT VGS LYTDASDGP CYSKSVESVLQDSNNSAYLEPRVSEEEVAKTSHSGENEKW
KKSFL ENKTSGR IHETSPKMFSSPIQMHHLLEEREADLEMQTISSTVNVMAANIPQNDIPSQLEKWKDA
PEVGCQLPFETLLRVRGTQRKKERRKKEPSSRGRVNVF SYGQVKLCSTGFITHVVQSEHAKSTETEHS
FKNYARPGP VSAQETFGKRTHHAIETPDSSDLTSTLSKESQP PNKRF CRTNTGYGTENKPVATDDNLAL
FQESCKESHTDRLLPDASSFPWC RYVSDGCRKIDKRG SFKQVRRKLSLR SQVGSLEKFKRQYGVSSSL
DTEKDNNEV RTHLDPQNEPDVLLKDKSHLDMSDGCEITTV EHS ETCQPLSPILYPEKILFSKEDRLEQM
PHLRESPI TLEELSHCNRKADVEKSAASLASKLSKLDSEKEMQTVGMTGHTSEL PDSNPSWKDNSQCTR
LDLDFCELLKNKLEKIESDMLPMADSATEDGPINKNSELHPNNTTDDTEK PETPLLFPCNDSKISRSDSV
LIRTSEQPTGNPDSVGK VIMSQVEDGIGSQGGVCPQGDESKARSCSKNEPNAHCM DWQQHFVTLGRMVY
INRMTGLSTFVAPTDDLHTACTKDLTTVAVDVLLGNDAVDA AAVSEPLQSLFSEWSNPVFARYPEVAV
DVSSGQAESLAVKIHNVL YPYRFTKEMIHSV KVLQQVDNKFIA CLMSTRMDE DGR TGNNLLVLDQHA AH
ERIRLEQLITDSYEKQDPQSAGRKLLSSTIIPPLAITVSEEQRRLRSYHKHLEDLGLELLFPDASDSL
ILVGVKPLCFVEREASELRRGRSTVTKSIVEELIREQVELLQTTGGIQGLPLTVQKVLASQACHGAIKF
NDRLSLEESCR LIEALS LSQLPFQCAHGRPSMLPLADLDHLEQEKQVKPNLAKLRKMVRAWHLFGKTEQN
LQQPIR PCEPP
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

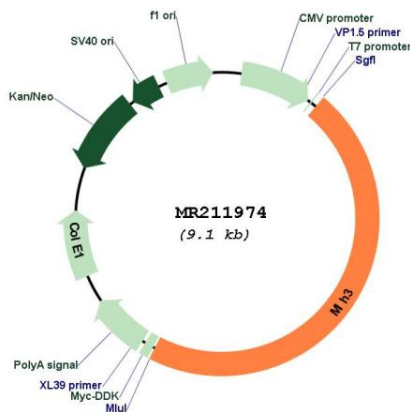


ACCN: NM_175337

ORF Size: 4233 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_175337.2](#), [NP_780546.1](#)
- RefSeq Size:** 5533 bp
- RefSeq ORF:** 4236 bp
- Locus ID:** 217716
- Cytogenetics:** 12 D1
- MW:** 158.7 kDa

Product images:



Circular map for MR211974