

Product datasheet for **MC220367**

Khnyn (NM_027143) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Khnyn (NM_027143) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Khnyn
Synonyms:	6330555F21; 9130227C08Rik; AI605259; Kiaa0323; mKIAA0323
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220367 representing NM_027143
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTACTTGGGGTTGCCTCCCCGACTCCCGACCGCTTTGCGGTGTCTGCGGAGCCGAGGACAAGG
 TTCGGGAGCAGCAGACTCGCTTGAGCGTATCTTCAACGTGGAATGAGCGTCTCTCAAAGACTGCC
 AGAGAATCCTCATATCTGGTTGCAGCTTGGGGCCCCAAGGAGAACGTCTGCAGAGCCAAGGAATACCTG
 AAGGGGCTCTGCAGCCCAGAACTACAGAGTGAGATCCACTACCCACCCAGACTGCACTGCATCTTTCTGG
 GAGCCACGGTTTCTTCTTGACTGCCTGGCCTGGAGCACATCTGCCACCTGGTGCCTCTGCTTCTGG
 CTCTCTGATGATCAGTGGCCTAACCGAGGCGTTTGTGATGGCCAGAGCCGGGTGGAGGAGTTAGTGCAA
 CGGCTGAGCTGGACCTCAGCTACAGTCTTGTCCGGAGCCCTGACAATGGCGGAGTGTGAGAGACT
 TCTCTGCCCTGCTGCAGACTAGGAGGATGCCTACACAGAGGCCCTGCTGCGGCTGCCCTGGCCGTGCA
 GGAGGAGTCTTAAGCCTGGTGCAGGAGGCATCTAGAGGGCAGGGTCCATCTCGTGAAGGAGGGAATTCGTAGGCCA
 GGCTGTTGAGTCTCAGTTCAGGGAGTCAAGGCTCCCTTGAATGAAGGAGGGAATTCGTAGGCCA
 GAGTGGCAGGGTCGGGAAAGTCGCCAGCAGTAAGAGGACAAAGTCATACTGTGGAGAAGGAGGAAAGGAA
 ACAGGATGCTGTACGGGACATGGGTTACGGGCGGAAGGAGCTGTCTGGGAAAGAGGTCTGGGAGCCTGGA
 GTGGCTTACAGGTCACAGCTAGCAGGTGGAGGAGCAGAGGAGGTGGCACCTTGAAGGAAAGGCCCTCGG
 GGAAACAGGAGGTTCTCAGCAAAGAGGAGGTTTCAAGTGTGAGGGTGAACCTTCAAGTGCATGTGCC
 CTGTGAGAGGCGAGCTCAATCCGGGGAGCCTCTCTCCAGCGGCTCCACAATGGGAGCGCCTCACCT
 CCGAGAGTGCCTAGCCCTCCGCCCGCCGGAACCCCATGGCCCTGTGGAGACCGAGACCGAGATCGAG
 ATCGGGGAGACAGGGGAGACAAGCAGCAGGCTGGAGCTCGAGGCCGAGGGTCTCCGTGGAAGCGAGGCAC
 TCGTGGGGCAACTTGGTACTGGCAGCAGCGTTTCCAGGAAGCCTTACAGGATCCTTTACCCTGTGC
 CTTGCCAATGTGCTGGCCAGCCAGATCTCCGTACATTGTCATTGATGGCAGCAACGTGGCCATGGTGC
 ACGGACTCCAGCATTACTTTCCAGTCGGGGATTGCTCTCGCTGTACAGTACTTCTGGACCGTGGCCA
 CCGTGACATAACCGTCTTGTGCCTCAGTGGCGCTTCAAGATTCCAAGGTCAGAGAGAGTCACTTC
 CTGCAGAAAGTGTATCCCTGAGTCTGCTTCCCTGACACCCTCACGAGTCATGGATGGCAAGAGGATTT
 CTTCTTATGATGACAGGTTTCAAGTGAAGTGGCTGAAGAAACGGATGGGATCATTGTCTCCAATGACCA
 GTTCCGGGATCTGGCTGAGGAGTCTGACAAGTGGATGGCGATCATCAGAGAGCGCCTGCTGCCCTTACC
 TTTGTGGGAACCTTTCATGGTCCAGATGACCCACTGGGACGAAATGGCCCCACCTGGATGAGTTCC
 TGAAGAAGCCAGTCAGGAAGCAGGGTCTTCTAAGACTCAGCAGCCCTTAAAGGCTCCACAGAGCAGGC
 TAATCAGCAGCAGGGGAAGGACGCGGACAGGAGCAATGGTGGCATTTCGGAAGACCCGGGAGCAGAGCGG
 CTGCGGGCCAGCTGCTCGAAGTGTGGGGTCAAGGACCAAGGTGGACTTATCCTGCGAGCGGGAAC
 CGTACTGCCGGGATTAACAGCTTCTGAGGCCCTGCTGAGTCTCAACTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_027143
- Insert Size:** 2016 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_027143.2](#), [NP_081419.1](#)

RefSeq Size: 3876 bp

RefSeq ORF: 2016 bp

Locus ID: 219094

UniProt ID: [Q80U38](#)

Cytogenetics: 14 C3

Gene Summary: This gene encodes a protein with a C-terminal RNA modifying domain that belongs to a family of ribonucleases typified by eukaryotic Nedd4-binding protein1 and the bacterial YacP-like nucleases (NYN). The NYN domain shares a common protein fold with two other groups of nucleases, the PiIT N-terminal nuclease and FLAP nuclease superfamilies. In addition to the NYN domain, the protein encoded by this gene also contains an N-terminal K homology RNA-binding domain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.