

Product datasheet for **SC105658**

RKHD3 (MEX3B) (NM_032246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RKHD3 (MEX3B) (NM_032246) Human Untagged Clone
Tag:	Tag Free
Symbol:	RKHD3
Synonyms:	MEX-3B; RKHD3; RNF195
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032246, the custom clone sequence may differ by one or more nucleotides

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ATGCCAGCTCGCTGTTTCGACAGCTGGAGCGCAACGGCAGCGGCGGGCGGGCGGCGGCGGAG
GGGAGAGACCTGGATGACCAAGAGCCCTGCAGCTCGCGCTCGACAGCTCTCCCTGCTGGGGCTGGA
CAGTGACGAGGGCGCCTCTCTGTACGACAGCGAGCCGCGCAAGAAGAGCGTGAACATGACCGAGTGCCTG
CCAGTACCCAGTTCTGAGCATGTGCGCGAGATCGTGGGGCGGCAAGGTTGTAAAATCAAAGCGCTGCGGG
CGAAGACCAATACTTACATCAAGACCCAGTTCGCGGGGAGGAGCCTGTCTTTGTGTGACGGGCAGGAA
GGAGGATGTGGCCATGGCTCGGAGGGAGATCATCTGTCTGCCGAGCACTTCTCCATGATCCGCGCCTCC
CGGAATAAGAACACGGCACTCAACGGCGCGGTGCCTGGGCGGCCAACCTGCCCGGCGAGACCACCATCC
AAGTGCGGGTACCCTACCGCTGGTGGGCTCGTGGTGGGGCCAAAGGCGCCACAATCAAGCGCATCCA
GCAGCAGACGCACACGTACATCGTGACGCCAGCCGGGATAAGGAGCCGGTGTTCGAGGTGACCGGCATG
CCAGAGAACGTGGATCGCGCTCGAGAGGAGATTGAGGCGCACATTGCTCTGCGTACCGGCGGCATATTG
AGCTCACAGACGAGAACGACTTCCACGCCAACGGCACCAGTGTGGGCTTCGATCTGCATCATGGGTCGG
CGGGTCCGGGCCAGGCAGCCTCTGGAGCAAGCCACCCCGAGCATCACGCCACCCCGGCGCGAAGCCT
TTCTCTAGCTACCGCAACGACAGCTCCAGCTCGCTTGGCAGTGCTTCCACAGACTCTTATTTTCGGCGGCG
GGACCAGCAGCAGCGCAGCGGCTACCCAGCGCCTGGCGGACTACAGCCCCCTAGCCCCGCCCTGAGCTT
TGCGCACAACGGAAACAATAACAATAACGGCAATGGGTACACCTACACAGCGGGGGGAGAAGCCTCAGTG
CCATCCCCGACGGCTGCCCCGAGCTGCAGCCACTTTTGACCCGGCTCCCGCTCCCCACCTGGGGCAC
CACTTATCTGGGCCCAGTTCGAGCGGTCCCGGGAGGCGGACCTGCAGCTCCGGTATCTTCTTCTGCTC
TTCTTCTGCATCTTCTGCTGCTTCTTCTCTCTCCGTGGTCTTCCCGGGGGTGGCGCCAGTGCGCCCTCC
AACGCCAACCTGGGGCTATTGGTGACCCGCCGGCTGCACCCTGGCACCAGCTGCCCGCGCCTGTCTCCAC
CCTTGACATGGCCCCGGGGCGGGAGAGCACCCTGGCTCGCCGGGTGCGCAGCGACCCGGGTGGAGG
AGGCCTGGCCTACGCCGCTTATGCCAACGGGTGGGGGACAGCTGCCTGGCTTGCAGCCGTGCGACACG
TCGGGCTCCTCTCTTCTGCTCAGCTCCTCTCCAGCTCTTCATCCTCTTCTCCGGGCTTCGGCGTAAAG
GCAGCCGCGACTGCTCCGTGTGCTTCGAGAGCGAAGTGATTGCCGCGTGGTGCCTGTGCCACAACCT
CTTCTGCATGGAGTGGCCAATCGCATCTGTGAGAAGAGCGAGCCCGAGTGCCCGGTCTGCCACCCGCG
GTCACCTCAGGCCATCCGCATCTTTCTTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032246 unedited

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TTAAAATTTGTATACGACTCACTATAGGCGGCCGCGATTCCGGCAGAGGGTTCGAGGTGA
CCGGCATGCCAGAGAACGTGGATCGCGCTCGAGAGGAGATTGAGGCGCACATTGCTCTGC
GTACCGGCGGCATCATTGAGCTCACAGACGAGAACGACTTCCACGCCAACGGCACCGATG
TGGGCTTCGATCTGCATCATGGTCCGGCGGGTCCGGCCAGGCAGCCTCTGGAGCAAGC
CCACCCCGAGCATCACGCCACCCCGGCCGCAAGCCTTTCTCTAGCTACCGCAACGACA
GCTCCAGCTCGCTTGGCAGTGCTTCCACAGACTCTTATTTTCGGCGCGGGACAGCAGCA
GCGCAGCGGCTACCCAGCGCCTGGCGGACTACAGCCCCCTAGCCCCGCCCTGAGCTTTG
CGCACAACGGAAACAATAACAATAACGGCAATGGGTACACCTACACAGCGGGGGGAGAAG
CCTCAGTGCCATCCCCGACGGCTGCCCGAGCTGCAGCCACTTTTGACCCGGCTCCCG
CTCCCCACCTGGGGCACCACTTATCTGGGCCAGTTCGAGCGGTCCCGGGAGGCGGAC
CTGCAGCTCCGGTATCTTCTTCTGCTTCTTCTGCTCTTCTGCTGCTTCTTCTCTCT
CCGTGGTCTTCCCGGGGGTGGCGCCAGTGCGCCCTCAAACGCCAACCTGGGGCTATTGG
TGCACCGCGGCTGCACCCTGGCACCAGCTGCCGCGCCTGTCTNCAACCCTTGACATGG
NCCCGGGGGNCGGNAGAGCACCACCTGGCTCGCCGGGTGCGCAGCAGCCGGTGGGAGGA
NGGCCTGCCTACGCCGCTTATGCCACGGNCTGGGGCACAGCTGNCTGGCTGCANCGTCGN
CACGTNGNCTCTNCTCTNCTCACTNCTCTNAGTTTATCTTCTNCGC

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032246 unedited <pre> NTTTAGCTTGNC CGCGCCG CATTCTANGATCGAGNTTTTTTTTTTTTTTTTTTTTTT TTTTTAAAAATTTCTTCAATATTTTATTTATATAGAAATACTTAAAAATGAAGTAGCA CCATTACTTAAGTTTACCTTTATTATGTAAACTTTAAATGTCAAAAAATAAACTCT TGATACAATTTCAAATCTTGTCTCAGCAATATAATATTAGTATTTGACCATGAGGTTAA AGGCCCTTTATCATAAAATAAAATATACTTTGTTTTTAACTTTGCTCAGTAAAGTACA TTTAAGCTCAAGTAACATCACCTACATATACATAAACAAGTGGTAAACAAATGTATTA ATAGAAATACTAAACTAGAGTGGTGCAACAGAATTTTTGTAACCTGCACTGAATTCAT TTATACAATGTTAAAAAGCATCAACAGTCTTTTTGACATGTTTATACATTTCCGTTTT TGTAATAATATAGAATAAAATATGCTTTATATCACTGAATAAAAAATATGCTGGGTGAAG CAGATCTAGAAGATTTGTCTGAACCTATAAAATCTCCATCCCAACAGAATACTGTTCAA ACATTACACATTTTATGGTTGTAATTCGTCACAATTGTGTGATTATTAATAATACAG TGTTCTTTGCCATAAGGCCATACTAAATAAAAGATTTTACCCAGCTACAAAANAAGTT CCCTGAACCTAAATTAATACTTGTAAACATCTTGCAATATGAATATAATTTTTTCA AGCCAAAAAGAATAAAATACTTCCATTCTGTATTAATGCATATTCTTTAAACTTT AAAACGTTTTTAAATATAAGAGAATATGTACCGTTTCTTACCTTTATTAAGCTGCATA TCCCTGTTTCACAGGAATCCCTGGCCTTCCCCGAACCTCAAAAGGATCCCTTGGGTTC TC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032246
Insert Size:	2600 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_032246.3</u> , <u>NP_115622.2</u>
RefSeq Size:	3398 bp
RefSeq ORF:	1710 bp
Locus ID:	84206
UniProt ID:	<u>Q6ZN04</u>
Cytogenetics:	15q25.2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes an RNA-binding phosphoprotein that is part of the MEX3 (muscle excess 3) family of translational regulators. The encoded protein contains N-terminal nuclear export and nuclear localization signals and is exported from the cytoplasm to the nucleus. The protein binds to RNA via two KH domains and also colocalizes with MEX3A, Dcp1A decapping factor and Argonaute proteins within P (processing) bodies. [provided by RefSeq, Oct 2012]