

Product datasheet for **RG206928**

RKHD3 (MEX3B) (NM_032246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RKHD3 (MEX3B) (NM_032246) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RKHD3
Synonyms:	MEX-3B; RKHD3; RNF195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206928 representing NM_032246
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGCTCGCTGTTTCGACAGCTGGAGCGCAACGGCAGCGCGCGCGCGCGCGCGCAGCAGCGGAG
 GGGGAGAGACCCTGGATGACCAAAGAGCCCTGCAGCTCGCGCTCGACCAGCTCTCCCTGCTGGGGCTGGA
 CAGTGACGAGGGCGCCTCTCTGTACGACAGCGAGCCGCGCAAGAAGAGCGTGAACATGACCGAGTGCCTG
 CCAGTACCAGTTCTGAGCATGTCGCCGAGATCGTGGGCGGCAAGGTTGTAAAACAAAGCGCTGCGGG
 CGAAGACCAATACTTACATCAAGACCCAGTTCGCGGGGAGGAGCCTGTCTTTGTGTGACGGGCAGGAA
 GGAGGATGTGGCCATGGCTCGGAGGGAGATCATCTCTGCTGCCGAGCACTTCTCCATGATCCGCGCTCC
 CGGAATAAGAACACGGCACTCAACGGCGCGGTGCCTGGGCGCCCAACCTGCCCGGGCAGACCACCATCC
 AAGTGCGGGTACCCTACCGCTGGTGGGCTCGTGGTGGGCGCCAAAGGGCCACAATCAAGCGCATCCA
 GCAGCAGACGCACACGTACATCGTGACGCCAGCCGGGATAAGGAGCCGGTGTTCGAGGTGACCGGCATG
 CCAGAGAACGTGGATCGCGCTCGAGAGGAGATTGAGGCGCACATTGCTCTGCGTACCGGGCGCATATTG
 AGCTCACAGACGAGAACGACTTCCACGCCAACGGCACCGATGTGGGCTTCGATCTGCATCATGGTCCGG
 CGGGTCCGGCCAGGCAGCCTCTGGAGCAAGCCACCCCCAGCATCACGCCACCCCGCGCCGAAGCCT
 TTCTCTAGCTACCGCAACGACAGCTCCAGCTCGCTTGGCAGTGCCTCCACAGACTCTATTTTCGGCGCG
 GGACCAGCAGCAGCGCAGCGGCTACCCAGCGCCTGGCGGACTACAGCCCCCTAGCCCCGCCTGAGCTT
 TGCGCACAAACGAAACAATAACAATAACGGCAATGGGTACACCTACACAGCGGGGGAGAAGCCTCAGTG
 CCATCCCCGACGGTGCCTCGAGCTGCAGCCACTTTGACCCGGTCCCCTCCCCACTGGGGCAGC
 CACTTACTGGGCCAGTTCGAGCGGTCCCCGGGAGCGGACCTGCAGCTCCGGTATCTTCTTCTGCTC
 TTCTTCTGCATCTTCGTCTGCTTCTTCTCCTCGTGGTCTTCCCGGGAGTGGCGCCAGTGCGCCCTCC
 AACGCCAACCTGGGGCTATTGGTGCACCGCGGCTGCACCTGGCACCAGCTGCCCGCGCTGTCTCCAC
 CTTGCACATGGCCCCGGGGCGGGAGAGCACCACCTGGCTCGCCGGTGCAGCAGCAGCCGGTGGAGG
 AGGCTGGCCTACCGCTTATGCCAACGGGCTGGGGCAGCAGCTGCCTGGCTTGCAGCGCTCGGACAGC
 TCGGGCTCCTCTTTCGTCCAGCTCCTCCTCAGCTTTCATCCTTCTCCTCGGGCTTCGGCGTAAAG
 GCAGCCGCGACTGCTCCGTGTGCTTCGAGAGCGAAGTATTGCCCGCTGGTGCCTGTGCCACAGCCT
 CTTCTGCATGGAGTGCGCCAATCGCATCTGTGAGAAGAGCGAGCCCGAGTGCCCGGTCTGCCACACCGCG
 GCACTCAGGCCATCCGATCTTTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206928 representing NM_032246
 Red=Cloning site Green=Tags(s)

MPSSLFADLERNGSGGGGGSSGGGETLDDQRALQLALDQLSLLGLDSDEGASLYDSEPRKKSVMNTECV
 PVPSSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPVFVVTGRKEDVAMARREIISAAEHFSMIRAS
 RNKNTALNGAVPGPPNLPQTTIQVRVPYRVVGLVVGPKGATIKRIQQQTHYIVTPSRDKEPVFEVTGM
 PENVDRAREEIEAHIALRTGGIIELDENDFHANGTDVGFDLHHGSGSGPGLWSKPTPSITPTPGRKP
 FSSYRNDSSSSLGSASTSYFGGTSSSAAATQRLADYSPPSPALSFHNGNNNNNGNYTYTAGGEASV
 PSPDGCPELQPTFDPAAPPPGAPLIWAQFERSPGGPAAPVSSSCSSSASSSSSVVFPGSASAPS
 NANLGLLVHRRHPGTSCPRLSPPLHMAPGAGEHHLARRVRSDPGGGLAYAAYANGLGAQLPGLQPSDT
 SGSSSSSSSSSSSSSSGLRRKGRDCSVCFESEVIAALVPCGHSLFCMECANRICEKSEPECPVCHTA
 VTQAIRIFS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032246

ORF Size: 1707 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_032246.3](#), [NP_115622.2](#)

RefSeq Size: 3398 bp

RefSeq ORF: 1710 bp

Locus ID: 84206

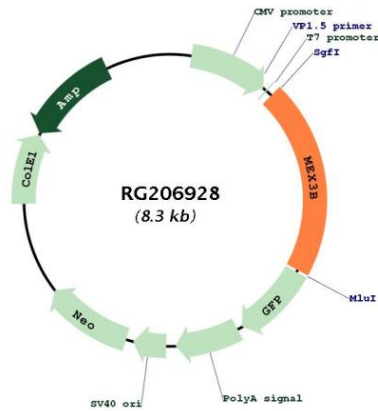
UniProt ID: [Q6ZN04](#)

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]

Product images:



Circular map for RG206928