

Product datasheet for **MC223025**

1110037F02Rik (BC033309) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1110037F02Rik (BC033309) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	1110037F02Rik
Synonyms:	4930422M05Rik; Kiaa1429; mKIAA1429
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC033309 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGACTCGTCTATGGAGCTGCTATTTTTAGATACTTTTAAACATCCGAGCGCTGAGCAAAGTT
CTCATATAGATGTGGTTCGTTTTCCGTGTGTGTTTATATCAATGAAGTCCGAGTTATACCCCGGGAGT
ACGAGCCCATAGTGGCTTACCTGACAACAGAGCATATGGGAAACATCTCCTCACACATTTCAACTTGAC
TTATTCTTCAATAATGTAAGCAAACCAAGTCTCCAGTTTTTATAGGTTGGGAAGCCTGGAATATGATG
AGAATACGTCTATCATCTTTAGACCAAACCTCGAAGGTAATACTGATGGTCTGGTACTAAGAGGCTGGTA
CAACTGTCTGACCTGGCAATATATGGATCGGTAGATAGAGTGATAAGCCATGACAGAGACTCTCCACCA
CCTCCACCTCCACCTCCACCTCCTCCAGCCACAGCCGACTTTGAAAAGGAATCTAAAGCATGCTGATG
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ACCTCCTCCACCTGATGACGATGAGGACGACCCTATGTCTTTGCCAGTGTCTGGTGACAAAGAAGAGGAT
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TTTGCTGATCATGTCTCATCTCCCTTAAGTTAAATGCTTTTAAAGCTTTGGACAGTGTCATTAGCATGA
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 CATACTTCTGGATCAGACTGTGAGGGTTGTCACTGCTGGCTCAGCTATTCTTCAAAAATGCCATTCTAT
 GAAATCTTGTGAGAGATTAAGACTTGGTGACCACATAGCAGAGAAGACTTCAGCTGTTCTAACCACA
 GTGAGCCTGACCAGGACACAGATGCTGTGCTGGAGAGAGCAAATCCCATTATGAGAATGAAGTAGAAGC
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 TTAGAGGAGGTTTTTCATGTCATGGAACTGCACCTCATACAATGACCCAACTCCTGTCAAGTCTTCC
 CCACAATAGCCCGGATTACCGGGCTCCAGAGCGGGATGACCCGTACCCTGTCTTTAGAGGACCTGG
 GTTTGGTTTTTCAGCACTCAATAGTGGCTCACAGCCATCAGCTACTCCAGTTCAGAGGGTCCAGTGCCCT
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 TCCAGCGGTGTCCAGATGTTAGAACAGCAGCAGCATCGCTCTTGAAGCTCTGCAAAGCAGATGAAAATA
 ATGCGAAATTGCAAGAAGTTGGCAAATGGCTTGAACCTCTGAAAACCTCAGATTTGAAATTAAGTGCAT
 CCCAAATCTAATTGAATATGTTAAACAGAATATTGATAACTTGATGACTGCAGAAGGAGTTGGCCTTACC
 ACTGCCTTACGTGTTCTCTGTAATGTGGCATGTCCACCACCTCTCAGTCTGCCCTTTGATGTCTTACATT
 AA

ACGCGTACGCGGGCCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC033309
- Insert Size:** 3012 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:** [BC033309](#), [AAH33309](#)
- RefSeq Size:** 3139 bp
- RefSeq ORF:** 3011 bp

Locus ID: 66185

Cytogenetics: 4 A1

Gene Summary: Associated component of the WMM complex, a complex that mediates N6-methyladenosine (m6A) methylation of RNAs, a modification that plays a role in the efficiency of mRNA splicing and RNA processing. Acts as a key regulator of m6A methylation by promoting m6A methylation of mRNAs in the 3' UTR near the stop codon: recruits the catalytic core components METTL3 and METTL14, thereby guiding m6A methylation at specific sites. Required for mRNA polyadenylation via its role in selective m6A methylation: m6A methylation of mRNAs in the 3' UTR near the stop codon correlating with alternative polyadenylation (APA).[UniProtKB/Swiss-Prot Function]