

Product datasheet for **MC228952**

Unk (NM_001286006) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Unk (NM_001286006) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Unk
Synonyms:	B230379M23Rik; mKIAA1753; Zc3h5; Zc3hdc5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228952 representing NM_001286006
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGAAGGGCCCCGGGCCCGGGCTCGGCAGCTTCTCGGCGCCCCGGCCGTACCGCTCAGGTGC
 TGCAGGCACAGCCCGAGAAACCGCAGCACTACAGTACCTGAAGGAATTCGCACAGAGCAGTGCCCACT
 TTCTGTCAGCACAAATGCACACAGCATCGGCCCTATACCTGTTCCACTGGCACTTTGTGAACAGCGT
 CGCCGCCGTTCCATCCGCCGACGGGATGGCACCTTCAACTACAGTCCAGATGTCTACTGCACGAAGTATG
 ACGAGGCTACAGGCCTCTGCCCCGAGGGCGACGAGTGCCATTCTGCACAGAACCCTGGGACACTGA
 GCGCAGGTATCACCTTCGTTACTATAAACTGGAATCTGCATCCATGAGACAGACTCAAAGGCAACTGC
 ACCAAAAATGGCTGCACTGCGCTTTTGCCACGGGCTCATGACCTCCGCTCCCCTGTTTACGACATCA
 GGGAGCTCCAGGCCATGGAGGCTTGCAGAATGGCCAGACTACAGTAGAGGGCAGCATAGAAGGCCAGTC
 AGCTGGGGCTGCAAGCCATGCCATGATAGAAAAATCCTCAGTGAGGAACCCCGGTGGCAAGAGACTGCT
 TATGTGCTGGGGAATAAAGACGGAGCCGTGCAAGAAGCCTCCACGGCTGTGCCCCAGGGCTATGCCCT
 GTCCCTACTACCAACAGCAAGGACCGGGCTCGGAGTCCCCGGAAGCACAAATACAGGTCGTCTCCGTG
 TCCAAACGTCAAGCATGGGGATGAGTGGGGAGACCCTGGCAAGTGTGAAAACGGAGACGCCTGCCAGTAT
 TGCCACACACGCACAGAGCAGCAGTTCACCCAGAGATCTACAAGTCCACCAAGTGAATGACATGCAGC
 AGGCGGGCAGCTGCCCCGAGGACCTTTCTGCGCTTCGCCACATAGAACCGCCACCCTTAAGTGTATGA
 TGTGCAGCCTTCTCAGCTGTGTCCAGCCCTACCCAGCCAGGTCCTGTTACATGCCATCTGCCGCT
 GGAGACTCGGTCCTCTCCTCTGTAGGAATAGTGGCTGGCAGTCCGCTCACCTCTGCAGTCCCCAC
 CAGGCCCCAGCAGGAAGGCTCAAACCTGGAGGCTCTGGTCTTCCCTGGGAGTCCAGCCTTGCCCTGG
 CAGCTACAAGAAAGCTCCTGGCTTCGAAAAGGGAAGACCAGGTTGGGGCAGAGTACCTGAAGAATTTCAAG
 TGCCAGGCTAAATTAACCCCTTCGCTAGAGCCAGGAGTCAAGAGCAGCCTCTGCTTCAACCCAAAC
 AGGACGTGCTGGGCATCCTCCTGTGGGCAGCCCTGACTTCCAGCATCTCTTCCAGTATTACCTCCAG
 CTTGGCAGCCACTCCCCCAGCCCTGCAGGCACCAACAGCACCCCTGGCATGAATGCAAATGCTCTGCC
 TTCTACCAACCAGCAGCACCGGTAGAGTCGGTCAAGAGTCTGCCTTGGATGACCTGGACCTGAATGAGT
 TTGGAGTGGCTGCCCTAGAGAAGACTTTTGATAACAGCGCAGTCCCCACCCAGCAGCGTCACAATCGG
 TGGCAGTTTGTTCAGAGCTCCGCGCTGTGAACATCCCTGGCTCCCTGGGCAGCTCAGCTTCTTCCAC
 TCTGCTTCTCCATCCCCTCCCGTCAGCCTCCTCACACTTCTGCAGCAGCCCCAGGGCCACTTGAGTC
 AGTCAGAAAACACGTTTTTGGGGACCTCAGCATCACATGGATCTTGGGTCTGAACGGGATGAACAGCAG
 CATCTGGGAGCATTTCCTCTGGAAGCTTCTCCCAGGCACTTCCCCTGCCTTCTATCAGGGCCAGGG
 GCTGCTGAGCTGGCCCGCTTCGGCAAGAGCTAGATGAAGCTAACGGCACCATCAAGCAGTGGGAGGAGT
 CCTGGAAGCAGGCCAAGCAGGCTTGTGATGCCTGGAAGAAGGAAGCGGAGGAGGCTGGTGAAGCGGCCAG
 TGCAGCCGGAGCAGAGTGTGAGCTGGCCCGGAGCAGCGGGATGCCCTGGAGCTGCGGGTGAAGAAGCTG
 CAGGAGGAGCTGGAGCGGCTGCACACGGTGCCAGAAGCCAGACCCTGCCAGCCGCCCTGACCTGGAGG
 CGCTGTCCCTCTCACCCCTGACTCCATCCAGAAGCAGCTGCGGGTCCACCTGGAACAAGTGGACAAGGC
 TGTGTTCCACATGCAGTCAGTGAATGCCTTAAGTGTGAGGAGCAGACCCGGGCAGTGTGCCGTGCCAA
 CAGCTGTTCTGTGTGAGCTCTGTGCTGAGGGCAGTGAAGTCCCCGTCTGCCAGCCAGCCGGGCCCATG
 CCTCCAGTC**GTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001286006
Insert Size: 2394 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001286006.1, NP_001272935.1</u>
RefSeq Size:	3724 bp
RefSeq ORF:	2394 bp
Locus ID:	217331
Cytogenetics:	11 E2
Gene Summary:	<p>Sequence-specific RNA-binding protein which plays an important role in the establishment and maintenance of the early morphology of cortical neurons during embryonic development. Acts as a translation repressor and controls a translationally regulated cell morphology program to ensure proper structuring of the nervous system. Translational control depends on recognition of its binding element within target mRNAs which consists of a mandatory UAG trimer upstream of a U/A-rich motif. Associated with polysomes (PubMed:25737280).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>