

Product datasheet for **MC222610**

AF529169 (NM_153509) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AF529169 (NM_153509) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	AF529169
Synonyms:	DD1; Kiaa1024
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222610 representing NM_153509
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCCAATCAGGAAGCTTCCCTCTTTTTGGTGAAGATCTTAGAAGAACTGGACAGTAAACAAAATA
 CTGTTTCTATCAAGACCTGTGCAAGTCACTCTGTGCCAGTTTGATCTGTCTCAGCTTGCCAAACTGAG
 AAGTGTGCTTTTCTATACAGCATGCCTCGATCCCAACTTTCCAGCAACTTTATTCAAAGACAAGATGAAA
 TGCTCTGTAAATAATCAGCAGTCAAAGAAAATCATGGTGGCAGCAGATATCGTAACAATCTTCAACCTGA
 TCCAGATGAATGGGGGACTGCCAAGGAGAAGCTGCCATGAGTTGCCACAAGGTGCGCAAGAAGGAAGC
 ATCCTTTGAGTCTTGCCGGTCCGACACCCAGGTGTGCAGCCGACAGTTTGTGAGCCTCTGAACTGTGAG
 CTGAGTGAGAGACCCCTCAGCCGAGGCTACCCACCAGGCAGTCATCAAATGCCGAAGATGGACTGTA
 AGGAATGCCACAGTTTGTCCCTGCCTCTGAGCCCAACTTCTGTGGGTGTAGCAAAGAGGTGAAAAA
 TCGGGCAGCCTCTCTGGATAGGCTGCAAGCCCTGTCCCTATTCTGTGGCCAGCCCTCAGCCCTGTGAG
 ATGCAGAGGACCTATTTCCCATGAATATTGAGAACGAGCCCATGTCAGATCAGGACTCTCTGCCATCA
 GCCAAGGCATCAAAGAGACCTTCATCTCCAGTGAGGAACCGTTTGTGGTTCAGTCTGTGTTCAGAAAAAG
 GAACATCTTCAAAGAAGACTTCCACAATCTCATGACTGTATCCCCAGTTTGGTTGGTACAACTAACAAA
 GCAGAAGAGGGTCATGGGGAGCCCCAGAGTCAGAAGGAGCTCCACAAGCCACCCTTCTTCAACCACAGCT
 TTGAGATGCCTTACCACAACCAATACCTGAATCCGGTGTATTCCCCATCCCTGACAAAAGGCGGGCGAA
 GCATGAAAGCTTAGATGACCTTCAAGCCTTACCTATTTGGACCACTCCAGTGATGGGAACACAAGAT
 ACCAAGCGCTGTCCAGGGAGGTCCAGTAAACAGACTCCATGGCCCGCCAAAAGCTGGAGCCTAAACACGG
 AGAAGTGCCTGATTTTGAAGCCTCTTTTTCAATAGAAAATCCCTCTGAAGAGAAGCTACGCTATCCAAA
 TTCTGGCAGCCAGACTCCCAATTTCTCAGGCCAGACAGGCATCCAGTTTACTTGGTGCCAAAGGATCAA
 CAGAAGGTTCTCCCTGCTGGCTATGCAGTGAAACCAAATGGACTCAAATCGAAAGAGATCTCGTCCCTG
 TTGACCTAGAGAAGCACGAAGCAGTCAAGAAGTTTAAAGACAAAAGCATCAGCTGCACCAGTGGGCAGCA
 CAGCTCAGACACCAGTAGTGTGGTACCAGACAGAGCAGCATGTGCTGGATCCCCCAAAATGCAAAGAT
 TTGTGTACTTCGGGTGAGCCAAGTACGGTGACAGGCATGCCATGAAGCAGTCGGACGATGACTCAGAAA
 TCGTCAGCGACGACATCAGTGACATTTCCGGTTTCTCGATGACATGAGCATCAGCGCTCCACAGGAGT
 GATACAGTCATCCTGCTACAACAGCACCGGCTCCTTGTCTCAGCTTCATAAGTCAGACTGTGATAGTTCC
 CCAGAGCACACCCTCGCCAAAATCACCAATGGGGTCTCCAGCGCAAGGGGGACAAGTGTAAACGGCCTG
 AAAACGTCATCACTCCGAGGAAGAGTTGAAGAGTAGCGTGTGCAAACCTGGTTCTCAGGATTGGTGAGAT
 AGAGCGGAAGCTGGAATCGCTGTCTGGGTCCGAGAGGAAATCTCCAGGTCCTTGGGAACTCAATAAA
 CTGGATCAGAAAATACAGCAGCCGGAGAAAAGTGAATGTGCAGATTGACCTGAACTCCTTGACGAGTGAGG
 CACCTTCTGATGACAGCGCCTCTCCGAGGGTCTCCGTGCACACAGTGGCTCCCACGGACCTAAGCTGGA
 GAACAGTCCTGACTGGTGTCTCAGATGCCAGTGGAAGTAAACAGTGAAGCCTGCGTGTCAAGGCCTTA
 AAGAAAAGCCTCTTTACCAGGCCATCTCCAGGTCCTGACTGAGGAGAACAGTGCCACAGAGTCTAAAA
 TTGCCAGCATCTCGAATCTCCAGAGACTGGCGAACCATCACATACCAACCCGGATGAGCCTCAACGA
 GGAGGAGATAAAAGATGCAGGCCAGCCAATAACAAAGATTGGCATCGGAAATCTAAGGAGGCAGACAGG
 CAGTATGACATCCCCCACAGCACAGATTGCCCAAGCAGCCAAAAGATGGCTTCTGGTGGAGCAGGTGT
 TCAGCCCTCATCCTTACCCACCTCCCTCAAGGGCCACATGAAGAGCAACCCCTGTATACAGACATGCG
 GCTGACTGAACTAGCTGAGGTGAAGCGGGGCCAGCCTTCTGGACCATAGAGGAATATGCTCGGAACTCC
 GGTGACAAAGGCAAGCTGACAGCTCTGGACCTGCAGACCAAGAATCTTTAAACCCAAACAACCTTAGAGT
 ACTGGATGGAAGATATTTATACTCCAGGCTATGATTCTACTAAAACGGAAAGAAGCTGAATTCAGACG
 AGCCAAGGTTTGAAGATCGCTGCTTATCACTGCTGCTGCATGCACGGTCATTCTTGCATTGTTGTG
 CCAATCTGCACGATGAAGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_153509
Insert Size:	2754 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:	<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:	NM_153509.2 , NP_705729.1
RefSeq Size:	4250 bp
RefSeq ORF:	2754 bp
Locus ID:	209743
UniProt ID:	Q8K3V7
Cytogenetics:	9 E3.1
Gene Summary:	Intrinsically disordered protein which may negatively regulate mTOR signaling pathway by stabilizing the mTOR complex component DEPTOR. Negatively regulates angiogenesis. Negatively regulates cell growth (By similarity). Negatively regulates neurite outgrowth in hippocampal neurons (By similarity).[UniProtKB/Swiss-Prot Function]