

Product datasheet for **MC222639**

Fam129a (NM_022018) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam129a (NM_022018) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam129a
Synonyms:	AI256368; AU019833; Niban
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC222639 representing NM_022018
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGGCTCAGCTTCCAGCCAGCTGGACGAGGGCAAGTGCCTACATCCGAGGGAAACTGAGGCTT
 CTATCAAAAACCTCAGCCCTACTACAGCCGGCAGTATTCTGTAGCTTTCTGCAATCATGTGCGCAGCGA
 GGTGGAGCAGCAAAGAGATTTAACGTCACAATTTCTGAAGACCAAGCCCCACTGGAACCAGGAACGGTT
 TTGTATGAAGCTGAGCTCTCCAGTTTGTCTGAAGACATCAGGAAATGGAAAGACAGATACATTGTGATTA
 AAAACGATTTTGTCTGTGGAAAGCTATGAGAGCAAAGAGGCCTATCAGAGAGGAGCTGTTCTAAAAGCAG
 GATTCTTCCAGCCGGTGGCAAGGTGTTAACCTCAGAAGAGGAATATAGTCTTTATCTGATAAGCATTTC
 CCAGACCCCACTGCTTCCAGCGAGAAGAACTCTCAGCCCTTTGTGCTCCTCCCTAAGGCATTCCAGTGT
 ACCTGTGGCAGCCTTACCTCAGGCATGGCTACTTCTGTTCCATGAGGCCGCCAACAGCAGAAGTTCAG
 CGCTCTTCTCAATGACTGCATCAGACACCTGAACCACGATTACATGAAGCAGACAACATTTGAAGCCCAA
 GCCTTTTTAGAAGCTGTGCAATTTCCCGCAGGAGAAGGGTCACTACGGCTCATGGGAAATGACCACCG
 GGGATGAAGTCCAGGTCCTGAGTAAGCTGGTGTGGAGGAGCTCCTGCCACCTCCAGACTGACCTGCT
 GCCTAAACTGAAGGGGAAGAAGAATGACAGAAAGAGGGCCTGGTTTGGACTCCTGGAGGAAGCCTACAAT
 CTGGTTCAGCACAAGTTTCAGAAGGATTAATGCCTTGAAGGAGGAGTGCAGAGCTTGACAAAAGGACC
 TGGAAGGGACCATCCGCTCAGACATGGATCAGATTGTGACCTCAAAGAAGTTTCTAACTGGGAAGATCCG
 AGCAATGGTGGCTCAGCCAGCCGAGCAGTGTGTGGGGAGAGCGTGCAGCCCTTCTGGCGTCCATTCTG
 GAGGAGCTAATGGGGCCAGTGTGCTCTGGCTTCAAGTGAAGTCCGTGCACCTTTTCGAAAAAGAAGTAGATG
 AACTCAGTCAGAGCTTCCATGCTACCCAGGACAGTGCAGCTGAAGGAGGGCCTACAGCAGCTAATGAA
 GCTTCTCTGGATTCTGTGAAGATGGAGCCTTGCTATACTAAAGTCAACCCTGCTTCCAGAGCGCCTGCTG
 GACCTCCAGAGCCGCTTCAAGTTCCTCACGTTGACCTGGTGGTCCAGAGGACTCAGAACTACATGCAAG
 AGCTCATGGAGAATGCTGTGTTACGTTTGTGAGCAGTTGCTCTCCCATATCTCCAAGGAGAGGCTTCCAG
 AATACCAGTGGCCATCGAGAAGGTTAAGCTCCGTGTCTTAAAGCAATATGATTACGACAGCAGCACCATC
 CGGAAGAAGATCTTCCAGGAGGCATTGATTCAAATCACACTGCCACTGTGCAGAAGGGCCTGGCATCCA
 CATGCAAACCAGAGCTTCCAGAAATATGAGCAGTTCATCTTTGAGATCATACCAACATGATCCACGTTGA
 GAACGTCTATGAAGAGATTTTGTATGAGATCCTCCTCGATGAGACCCTGAAAGTGATAACGGAGGCAGCC
 ATCTTGAAGAAACACAACCTATTTGAAGACAACATGGCCTTGCCAGTGAAGTGTGTCCAGCCTGACAG
 ACCTCAAAACCGCATGGGGTCAAACCAGGCCAGCCAGCCAGCAAGAGTATCTGCCATTCTCCAGGAGC
 TCCAGATAATGAGCTCCAAGTAATGAAGTGTTCAGGAGCCAGAGGAAAAGAAGGAGCAGCCTGGGGTG
 CCTGGCTCACTGGCCATCTCTGCGTCCAGCTGTCTTCAAGTGGGGATGGGCAGGTGTCTGTGGATCACT
 CTGCTGGGGGCCCTCTCACTGTAGAGAATACAGCAGGACCCCTCAGCTCACACTTGTGAGAGGTGGAAGC
 TGGGGGGACCCCTTAAAGATGAGGAACCAACCTGCCAAAGTCCAGAGCCTAGCGCTGTGCCAGGGTCCCTG
 AAGGAAGTAAAAAGTTGTTGACTGTGACGGTGTCCGTAGAGTCTGCCCGGTGGTTGAAAATGATATCC
 ACAACGGGACACCTGTTCCCAAGAGAATATAAAAAGAAGAAGAAAGCAAGATCCACCCAGAAGCCAGCCA
 CCCAGCTGCCATCCAGCAGGACAGCTGTGAAGAAAGGGAAGTCAAGAGAGAAGGAGCCAGCCTTTGGAA
 GCTGAGGCTCCTGGGGTGGACTTGGGGTACTGCCAGAGGGTAGAGGCTCTACCTCTCAGTCCACCAAGT
 GGGGGCTCACTGAGAACCAGCTGTCCAGGCCCATAGAGGAGCCATTTGAGGCTCAAGAGCCAGCAGA
 GAAGGTGCTCCAGCCATAGTTTCTACAGAGGACAGCCCCAGGCAGGAGGTGAGGCTGAGCATTGCGGTG
 ACAGTCACACCTCAAGAAGATGCCAGTAAAGCTTAACCCCATCTGTCCCATGGAGAGCAATGAGGTGG
 CCCAGGCTTCTGGGGATCAAGAAGTGTGGGAGGGGAGGATAGCTCAGCCCTTGGTATGGATACAGAGCA
 AGTCAATGATACTCATGAGCATGCTTGTGAGTGGTGGTGGAGGATACCCTGAGCACTGACATCCTAGCC
 GTACATGATTTTGTGAGTGTGAGCTCCCGAGCAGCCCTCAGAGGAGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_022018
Insert Size:	2781 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_022018.3 , NP_071301.2
RefSeq Size:	3956 bp
RefSeq ORF:	2781 bp
Locus ID:	63913
UniProt ID:	Q3UW53
Cytogenetics:	1 G1- G2
Gene Summary:	Regulates phosphorylation of a number of proteins involved in translation regulation including EIF2A, EIF4EBP1 and RPS6KB1. May be involved in the endoplasmic reticulum stress response.[UniProtKB/Swiss-Prot Function]