

Product datasheet for **MC210773**

Fam172a (NM_001163419) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam172a (NM_001163419) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fam172a
Synonyms: 53-E6; 1110033M05Rik; 2610318O14Rik; 9430037D06Rik; AF064782; pEN87
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210773 representing NM_001163419
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAAAGGACGAACACCTTTTGATTTTCCAGATACACTGGAAGGCTTTGAATATGCTTTTAAATGAAA
 AGGGGCAGTTAAGACACATAAAAACTGGGAACCATTTGTTTTAACTACCGAGAAGACTTACACAGGTG
 GAACCAGAAAAGATATGAAGCTCTGGGCGAGATCATCACAAGATATGTTTATGAGCTCCTGGAAAGTGAC
 TGTAAATTTGAAAAAATCTCTATTCCAGTAGATGCCACTGAGAGTGAACCAAAGAGTTTTATCTTTATGA
 GTGAGGATGCTTTGACAAATCCACAGAACTGATGGTTTTAATTCATGGTAGTGGTGTGTCAGGGCAGG
 TCAGTGGGCTAGAAGGCTTATTATTAATGAAGATCTGGACAGTGGCACACAGATACCTTTTATTAAGAGA
 GCTATGGATGAAGGTATGGAGTCATCGTCCTGAACCAAATGAAAATATAGAAAGTGGAAAAGCAGA
 AAATGCATAAACAGTCATCATCTTCTGATGGTACAGATGAGCCAGCAGGGAAGCGGAAAGGAGAGATAA
 GGTCTCCAAGGAAACAAGAAGCGTCGTGATTTCTATGAGAAGTACCGCAACCCCTAAAAGGAGAAAAGAA
 ATGATGCAGTTGTTTATCAGGGAAAATGGTTCTCCTGAAGAGCATGCGGTCTATGTGTGGACCATTCA
 TAGCCAGGCTGCTGCTGAGAATGTGTTCTTTGTGGCTCATAGCTATGGAGGACTTGCTTTTGTGTAAT
 GATGATTCACGAGAAGCAGATGTAAAAAGTAAGGTGACTGCTGTGGCATTGACAGACTCTGTTCACAAT
 GTGTGGCATCAAGAAGCTGGCAAACCATCCGAGAATGGATGAGAGAGAAGTGTGTAAGTGGGTCTCCA
 GCTCAGAACCATTAGATACATCGGTGGAATCCATGCTGCCTGACTGTCCCAGAGTGTCTGCAGGCCCGA
 CCGTCACGAGCTCACTTCTGGAAGAGCTTCCCGTCTATCTTCAAGTTCTTCGCGGAAGCCCTCGGAGGCC
 AAGAGCAGCTCGCAGAAGCCGGCCCTGACGCGGCGCTCGCACCGGATCAAGCAGCAGGAGCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163419



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Insert Size:	1116 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:	<u>NM_001163419.1, NP_001156891.1</u>
RefSeq Size:	3912 bp
RefSeq ORF:	1116 bp
Locus ID:	68675
Cytogenetics:	13 C1
Gene Summary:	<p>Plays a role in the regulation of alternative splicing, by interacting with AGO2 and CHD7. Seems to be required for stabilizing protein-protein interactions at the chromatin-spliceosome interface (PubMed:29311329). May have hydrolase activity (PubMed:29311329). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon and uses a downstream start codon, compared to variant 1. The resulting isoform (2) has a shorter N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>