

Product datasheet for **MC224781**

Fam208a (NM_001114879) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam208a (NM_001114879) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fam208a
Synonyms: 4732418E12; 4933409E02Rik; D14Abb1e; MommeD6
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224781 representing NM_001114879
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACTGCCGCGGAGACGGAGGCCCTTCGACGGACGCGAGCTGGAAAAGCCGCGGGCGGGCGGG
 GAGACGACGGGATGAAGCCAGCGCTTCCGGAGCTTGAGTCCTCCCTACAAAATGGCGGGCGGACGGCGG
 CGGCGGGCGGGGCTGAGGAGACCGCGGCAGCTGAAGCCGCCGAGCTACGGCCACGAGCAGCCTCAG
 CAAACCTCCGAAGCGGCCGCGGCCGCTCTGCCAAAGGCCCCGAAGAGCCGAAAAGGCCTTTTAGCGGA
 GTTTTCAGATCCCAGGAAGAGCAGAGAAAAGAAAGCTCTTTCCAGCCATTAACCCAGGGTCTCGAGA
 ATTTGAAGATGTTTTAAATATTCTCATTATCTTACCTTGAACCATCATCAGTAACATATTTAACTAT
 AGACGAGCTTGCTTGATACATAATGAACTTTGGAAAAAGAGTTACAGAAAAGAGAAGAGAATTGAAGT
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 GAGCATATGTGAAAAGGATTGCAGGTGGGCAATCCAAAATAACAGTTCTTGGCAGTCCCTCCATGGGT
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 ATTACATCCCTCTTGGCATATAGAGCCTATGAGCTTACTCAGTATTATTTTTATGAGTATGGCTTTGATG
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 AACTCCAAAGTTTTTGTCTCCATTGAGATCTAACAGCTTAAATGCAGATAGAAAACATAGATAAGTTAAAC
 TATACCTGTGAAAAGGACAACCTTTAAATAAAGGAAAGCTTCTCTGTTATATTTCTTTGAGGTCCGCCA
 ATCGTGCCTTTCTACCTGTCAAGCTTCTGAGAAATTGGATGTTGAAACAGTTATGAGTATTGATTGTTT
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 GGAATGTATTGTAGCCTTTATGAAGTTGTAGAAAAGACAAGAATTGGAAGTAATATGGAATGTTTACTGC
 AAAAAGTGGAGAAAAGAAAACCTGTTCTGTTAAACCTTTAGGAGACCGAGGATACCTTTTTCTTCTTTC
 TCCTTTCCAGATGGTTTCTCCATATGAACATCAGACTGTCAAGTACGAATCCTACATGCTTTATTTCTG
 TTTCAAGAACCTAGATGCCTAATTATCACACAAAAGGTATAATGAATACAACACCCTGGAGAAGCCTG



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AGAACTTAGCAGATATATTA AAAATAACTCAGTTTTTACAGTTTTCTCTGATTCAATGTAGAAAAGAATT
 CAAAACATAAACACTATAAATTTTCATTCTGTTGTTGAAAAGTATGTAAGTGAATTTTTAAGCGAGGT
 TTTGGTTCGGGTAAGCGAGAGTTTTTATGTTTTCATATGATTACCGATTAGATGATAGAAAATTCCTAT
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 ATTCAACTGAAAGTTGCCATCTATATGAAGAATCTCCACAGTCCATTGGCTTACTTGACAGGATCCTAA
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 GTAGTGGTGCCTATGAAGAGCTGAAGCAAAAATGTGATTATGAGTTGAAGTCTACTTTAGATAAAAAAGA
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 GTCAAATGATGATGAAGAGACAGAAATACATTGAAAATGATTCCAATTACAGGAGGGAATGCAGGAAGC
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 CCAGTTCACATCCTCTCCGTCTACAGACACTCTAAAAGGCACTACCGAGGAGGACACTGTAAACAGCAGGT
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 AGCATTGGCTTCTCTGGGAAGGCGTGTGTGTCAATTTCTCAAGTGAAGTTCAGTGTAAAGAACTTTTT
 GAGCCGCTCTGTTCTGAACATTTAAAAGATAACAACCTAATGAACAGTATTCTCTTTCAGTGGAAAGTAG
 AAATGAATCGGCCACACCATTGCAAAGAGTTAATGTTGACTTCTGATCACACTGTACCTGGTGATACAGT
 CCTGGAACCCACAGAAAAAGAAATAACAAAATCACCCAGTGATATAACCATTTCTGCACAACCAGCACTT
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 AAAATACTGTGAAGTTTTACATTCAGGAAGAAGAGGAGAGTGTGCTTTGCAAAGAAATAAAGGAGTATCT
 TACCAAATTAGGAAATACAGAGTGTATCCGGATCAGTTTTTGGAGAGAAGATCAAACCTTGATAAACTA
 TTGATTATTATTCAAATGAAGACATTGCAGGTTTCATTACAAGGTGCCTGGCTTAGTGACTTTAAAGA
 AGCTCCCATGTGTTAGTTTTGCTGGTGTGATAGCCTGGATGATGTTAAAAATCATACATACAACAGGTT
 ATTTGTATCTGGTGGCTTTATTGTGTCTGATGAATCAATTTCTAAATCTAGAGGTTGTCAATGAGAGC
 CTAAAAATTTTTTGGACATTCCTTGAAGAACTTAGTACTCCAGAAGGGAATGGCAATGGAAAATCCACT
 GTAATTCAGAAAGAACTAAAGAACTGGGCAGAATGAACACGAAAGCTCTGAGTCTGTGACTCTTCT
 GAATGTGATCAGAAGAAACATCTGGTTGAGATTTGTCTTATCACAGTTGTGATTACAAAACCGAAAT
 GCTCCAGAAATGGACTGCCTTATTAGGCTTCAGGCTCAGAACATACAGCAGCGACACATAGCTTTCTTAA
 CAGAGAAGAATATCAAGATGGTTTTCCAGTTATACAGACAATGGAATTTGCGTTGCAACTACTGAAGACTT
 TATGCAAAAACCTTACAAGTCTTGTGGGCTATCACAACCTCAGTTACAGAAGAAAGTCTTCCGCCGCTGCTT
 GGTGCTAATGAGAACCTTGAAGTCCAGTCAAGTCTTTTAGAAAACGATGAAAAGGATGAAGAGGATATGT
 CCCTGGATTACAGGGGATGAAATCTCACATATAGAAGTATTCAGCAATGTTCAATCAGAAATATTGGCGGG
 AGAAACCAAGGATCAAGTGAACAGATCAAAAAAGAATATCCAATTTGAATGTCAGTCACTCTTTGAT
 GTGCAAAACAGTTTATTAGAAGATAAGACTTATTTAATTGATTGTGAAGCGAGCGCTCTATTGATAGAG
 TATGCTCTGAAGGAGAGAGCAGCAATTCAGCAGAACAGGATGCGTATAGCGACTTTCAGGCTGACCAAAA
 TCAGTTACAAATGTCCATCAGTGTAGTCAATTTAATGTTCTCACGCACCAGACGTTTCTGGGGACACCA
 TATGCCCTTTCATCAACTCGGTCTCAAGAAAATGAAAATTAATTTTATCTGCTTACAAAAACTCGGGTA
 CAGAGAAATCTCCATTAAGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001114879
Insert Size:	4923 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_001114879.1 , NP_001108351.1
RefSeq Size:	7307 bp
RefSeq ORF:	4923 bp
Locus ID:	218850
UniProt ID:	Q69ZR9
Cytogenetics:	14 A3

Gene Summary:

Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3, as well as MORC2. Also represses L1 retrotransposons in collaboration with MORC2 and, probably, SETDB1, the silencing is dependent of repressive epigenetic modifications, such as H3K9me3 mark. Silencing events often occur within introns of transcriptionally active genes, and lead to the down-regulation of host gene expression. The HUSH complex is also involved in the silencing of unintegrated retroviral DNA by being recruited by ZNF638: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).