

Product datasheet for **RN208577**

Fam46c (NM_001014041) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam46c (NM_001014041) Rat Untagged Clone
Tag: Tag Free
Symbol: Fam46c
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208577 representing NM_001014041
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGACGAGGGCAGCAGTACCAAGGACTCCGAGTCCCTTCAGCGTGCTCAACTGGGATCAAGTTAGCC
 GGCTGCATGAGGTCCTGACTGAGGTCGTACCCATCCATGGACGTGGCAACTTTCCAACCTTGGAGATAAC
 CCTGAAGGACATTGTCCAGACTGTCCGAAGCCGGCTGGAAGAGGGCGGCATCAAAGTGCAGGACGTCGG
 CTGAACGGCTCTGCAGCCGGCCATGTTTTGGTCAAAGACAACGGCTTGGGTTGCAAAGATCTGGATCTGA
 TCTTTACGTGGCTCTTCCACAGAGGCAGAATCCAGCTGGTGAGAGATGTGGTTCTGTCTCCCTTCT
 GAACCTTCTGCCAGAGGGCGTGAATAAGCTCAAAATCAGCCCCGTGACTCTGAAGGAGGCGTATGTGCAG
 AAGCTGGTGAAGGCTGCACAGACACAGACCGCTGGAGCCTGATTTCCCTCTCCAACAAGAACGGGAGGA
 ACGTGGAGCTCAAGTTGTGACTCCATCCGGCGTCAGTTTGAGTTCAGCGTGGACTCTTCCAGATCAT
 CCTAGATTCTTTGCTCTTTTCTATGACTGCTCCAGTAACCCCGTCTCCGAGCATTTCCACCCTACGGTG
 GTCGGGGAGAGCATGTACGGGGATTTTGAGGAAGCCTTTGACCATCTTCAGAACAGGCTGATCGCCACCA
 AGAACCTGAAGAGATCCGAGGTGGGGTCTTTCTAAGTACAGCAACCTTCTGTGCGGGACTTCAGGCC
 TGGCGACCAGGAGGAGATCAAGACTCTGGAGCGCTACATGTGCTCCAGGTTTTTCATCGACTTCCCGGAC
 ATCCTGGAGCAGCAGAGGAAGCTGGAGACCTACCTTCAGAACCACTTCGCGCAGCAGGAGAGAAGCAAGT
 ACGACTACCTCATGATTCTTCGAGGGTGTGAATGAGAGCACCGTGTGCCTCATGGGACGAGCGCAG
 GCAGACCTGAACCTCATCTCTCTCCTGGCCTTGGTGTGCTGGCGGAACAAAACATCATCCCCAGTGCC
 ACCAACGTCACTGTACTACCAGCCAGCTCCTATGTGAGTGTGGCAACTTCAACAATTACATTG
 CCCACCCTCCAGTTACCTACAGTCAGCCTTATCTACATGGCTGCCCTGTAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001014041



Insert Size:	1176 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_001014041.1</u> , <u>NP_001014063.1</u>
RefSeq Size:	2047 bp
RefSeq ORF:	1176 bp
Locus ID:	310721
UniProt ID:	<u>Q5XIV0</u>
Cytogenetics:	2q34
Gene Summary:	Nucleotidyltransferase that act as a non-canonical poly(A) RNA polymerase which enhances mRNA stability and gene expression. Mainly targets mRNAs encoding endoplasmic reticulum-targeted protein and may be involved in induction of cell death.[UniProtKB/Swiss-Prot Function]