

Product datasheet for **SC323916**

FAM172A (NM_032042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM172A (NM_032042) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM172A
Synonyms:	C5orf21; Toupee
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032042.3
TGAAGATTGATGCTATTTCTTGAGCTCTTTAATTTTGTGCAATTTGGATAAACATG
GCACAAATCCAGCAGGGAGGTCCAGATGAAAAAGAAAAGACTACCGCACTGAAAGATTTA
TTATCTAGGATAGATTTGGATGAACTAATGAAAAAGATGAACCGCTCTTGATTTTCT
GATACCTGGAAGGATTTGAATATGCTTTTAATGAAAAGGACAGTTAAGACACATAAAA
ACTGGGAACCATTTGTTTTAACTACCGGAAGATTTACACAGATGGAACCAGAAAAGA
TACGAGGCTCTAGGAGAGATCATCACGAAGTATGTATATGAGCTCCTGAAAAGGATTGT
AATTTGAAAAAGTATCTATTCCAGTAGATGCCACTGAGAGTGAACCAAAGATTTTATC
TTTATGAGTGAGGATGCTTTGACAAATCCACAGAACTGATGGTTTTAATTCATGGTAGT
GGTGTGTGAGGCGAGGCGAGTGGCTAGAAGACTTATTATAAATGAAGATCTGGACAGT
GGCACACAGATACCGTTTATTAAGAGCTGTGGCTGAAGGATATGGAGTAATAGTACTA
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GATAGTTCAGATGAACCGCAGAAAAACGGGAAAAGAAAAGATAAAGTTTCTAAAGAAACA
AAGAAGCGACGTGATTTCTATGAGAAGTATCGTAACCCCAAAGAGAAAAAGAAATGATG
CAATTGTATATCAGAGAAAATGGTTCCTCCTGAAGAATGCAATCTATGTTTGGGATCAT
TTCATAGCTCAGGCTGCTGCTGAGAATGTGTTTTCGTTGCTCACAGCTATGGAGGACTT
GCTTTTGTGAACTGATGATTCAACGAGAAGCCGATGTAATAAAGGTAAGGTAAGTCTGTG
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GTGATATACATCTAAATAGCGTTTTGCATTATTTCTAGATGAGTGCAACTGTCAAAGC
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GCGCTCACATTAAGGCTGACAGCGCCCTGCCTGGCTCGGCGGCGAAGCTCTAATTGCC



TGAAGGAGACCGCGGGGCGCTGCGGGTCCGGCGGCGTCCGGCGGGTCTAGCGCCCGCC
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 TGGAGCAAACCTTCTATCCAGACTTCAGATTTCCATTTTCACTAGGTTTTCCCTGAGGG
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 AGTGATCAGATCTTTGTAATGTAGGATTTTTAACCTGTTGATTATGGGTTTGTGATA
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 ACCTGCATGAGGACGGCCAGTGTAAACAATATTTTTGTTCTGATCTTCTCCCATTTTT
 GTTTCCTCAAACAGGTTTTTAGGAGAGTGGAGATTTAAAGTCAGGATGTGGCCTTTTTAT
 TTTAATTATATACTTAATTCTTAGAACAAGTGAATGGGAAAGGAGTACTGATAAATCT
 AAGATTCAAAAATAGTCCGTCGAAACTTAAAGGCCAGATTATTGCTTTGGAGCTTTCTAT
 AGGTAAGTACCATCCCGTCGTTAAATGTTTTCATGGATATTTGAAAAGAAGACCATGTAC
 CTTTAATAACTGTTCTTTTCTCGAGTTTCTGCCTCGTGTGTTGACCTGGATTGCATTATT
 ATTGTTTATGCGAAGTAAAAAAAAAAAAAGGAAAGCACAAGCTTTTCTGTATATTATATT
 TCCATTTCCATTTTAAAAATAAAACAATTTTCCCAACAAAAAAAAAAAAAAAAA

Restriction Sites:

ECoRI-NOT

ACCN:

NM_032042

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).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_032042.3</u> , <u>NP_114431.2</u>
RefSeq Size:	4192 bp
RefSeq ORF:	1251 bp
Locus ID:	83989
UniProt ID:	<u>Q8WUF8</u>
Cytogenetics:	5q15
Gene Summary:	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. May have hydrolase activity.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).