

## Product datasheet for **SC327483**

### FAM172A (NM\_001163417) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM172A (NM_001163417) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM172A
Synonyms:	C5orf21; Toupee
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001163417, the custom clone sequence may differ by one or more nucleotides ATGAAAAAAGATGAACCGCTCTTGATTTTCCTGATACCTGGAAGGATTGAATATGCT TTTAATGAAAAGGACAGTTAAGACACATAAAAACTGGGGAACCATTTGTTTTAACTAC CGGGAAGATTTACACAGATGGAACAGAAAAGATACGAGGCTCTAGGAGAGATCATCACG AAGTATGTATATGAGCTCCTGAAAAGGATTGTAATTTGAAAAAGTATCTATTCCAGTA GATGCCACTGAGAGTGAACCAAAGATTTTATCTTTATGAGTGAGGATGCTTTGACAAAT CCACAGAACTGATGGTTTTAATTCATGGTAGTGGTGTGTGAGGGCAGGGCAGTGGGCT AGAAGACTTATTATAAATGAAGATCTGGACAGTGGCACACAGATACCGTTTATTTAAAGA GCTGTGGCTGAAGGATATGGAGTAATAGTACTAAATCCCAATGAAAATATTTGAAGTA GAAAAGCCGAAGATACACGTACAGTCATCATCTGATAGTTCAGATGAACAGCAGAAAAA CGGAAAAGAAAAGATAAAGTTTCTAAAGAAACAAAGAAGCGACGTGATTTCTATGAGAAG TATCGTAACCCCAAAGAGAAAAAGAAATGATGCAATTGTATATCAGAGAAAATGGTTCT CCTGAAGAATGCAATCTATGTTTGGGATCATTTTATAGCTCAGGCTGCTGCTGAGAAT GTGTTTTTCGTTGCTCACAGCTATGGAGGACTTGGCTTTTGTGAACTGATGATTCACAATGTG GAAGCCGATGTAATAAAGGTAAGTAACTGCTGTGGCATTGACAGACTCTGTTTACAATGTG TGGCATCAAGAAGCTGGCAAAACGATTCGAGAATGGATGAGAGAGAACTGTTGTAATTGG GTCTCTAGCTCAGAACCATTAGACACATCAGTGGAGTCCATGCTACCTGATTGCCCCCGG GTCTCAGCAGGCACCGACCGTACGAGCTAACTTCTGGAAGAGCTTTCCGTCTATTTTC AAATTTCTTACCGAAGCCTCAGAGGCCAAGACCAGCTCCCTGAAGCCGGCTGTGACGCGC CGCTCCCACGCATCAAGCACGAAGAGCTG
Restriction Sites:	Please inquire
ACCN:	NM_001163417



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001163417.1</a></u> , <u><a href="#">NP_001156889.1</a></u>
<b>RefSeq Size:</b>	4596 bp
<b>RefSeq ORF:</b>	1113 bp
<b>Locus ID:</b>	83989
<b>UniProt ID:</b>	<u><a href="#">Q8WUF8</a></u>
<b>Cytogenetics:</b>	5q15
<b>Gene Summary:</b>	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 (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.