

## Product datasheet for **SC127142**

### 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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032042, the custom clone sequence may differ by one or more nucleotides

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ATGTCTATTTCTTGAGCTCTTTAATTTTGTGCAATTTGGATAAACATGGCACAAATCCAGCAGGGAG
GTCCAGATGAAAAAGAAAAGACTACCGCACTGAAAGATTTATTATCTAGGATAGATTTGGATGAACTAAT
GAAAAAGATGAACCGCCTCTTGATTTTCTGATACCGTGAAGGATTTGAATATGCTTTAATGAAAAAG
GGACAGTTAAGACACATAAAAACTGGGGAACCATTTGTTTTAACTACCGGAAGATTTACACAGATGGA
ACCAGAAAAGATACGAGGCTCTAGGAGAGATCATCACGAAGTATGTATATGAGCTCCTGAAAAGGATTG
TAATTTGAAAAAGTATCTATTCCAGTAGATGCCACTGAGAGTGAACCAAAGAGTTTTATCTTTATGAGT
GAGGATGCTTTGACAAATCCACAGAACTGATGGTTTTAATTCATGGTAGTGGTGTGTGTCAGGGCAGGGC
AGTGGGCTAGAAGACTTATTATAAATGAAGATCTGGACAGTGGCACACAGATACCGTTTATTTAAAGAGC
TGTGGCTGAAGGATATGGAGTAATAGTACTAAATCCCAATGAAAACTATATTGAAGTAGAAAAGCCGAAG
ATACACGTACAGTCATCATCTGATAGTTCAGATGAACCAGCAGAAAAACGGGAAAGAAAAGATAAAGTTT
CTAAAGAAAACAAAGAAGCGCAGTGTATTTCTATGAGAAGTATCGTAACCCCAAAGAGAAAAGAAATGAT
GCAATTGTATATCAGAGAAAATGGTTCCTGAAGAACATGCAATCTATGTTTGGGATCATTTCATAGCT
CAGGCTGCTGCTGAGAATGTGTTTTCGTTGCTCACAGCTATGGAGGACTTGCTTTTGTGAACTGATGA
TTCAACGAGAAGCCGATGTAATAAAGTAAGTAACTGCTGTGTCATTGACAGACTGTTCACAATGTGTG
GCATCAAGAAGCTGGCAAACGATTCGAGAATGGATGAGAGAGAACTGTTGTAATTGGGTCTCTAGCTCA
GAACCATTAGACACATCAGTGGAGTCCATGCTACCTGATTGCCCCGGGTCTCAGCAGGCCACCGCTC
ACGAGCTAACTTCTGGAAGAGCTTTCCGTCTATTTTCAAATTCTTTACGAAGCCTCAGAGGCCAAGAC
CAGCTCCCTGAAGCCGGCTGTGACGCGCCGCTCCACCGCATCAAGCACGAAGAGCTGTAA

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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032042 unedited            GTATACGACTCCTTTAGGCGGCCGCGACATTTCGCACGAGGGGAGTTCGACTGGCGAACTG            GAAGGCCACGCCTCTCCCGCTGCCCCCTCAGCCCTGTGGTGGGGCAGAGCTCAAAC            TGTCTTCTGAAAATTGATGTCTATTTTCCTTGAGCTCTTTAATTTTGTGCCAATTTGGAT            AAACATGGCACAATCCAGCAGGGAGGTCCAGATGAAAAAGAAAAAGACTACCGCACTGA            AAGATTTATTATCTAGGATAGATTTGGATGAAACTAATGAAAAAGTGAACCGCCTCTTG            ATTTTCCTGATACCCCTGGAAAGGATTTGAATATGCTTTTAAATGAAAAATCATCACGAAGTAT            GTATATGAAGCTCCTGGAAAAGGATTGTAATTTGAAAAAGTATCTATTCCAGAAGGATA            TGGAGTAATAGTACTAAATCCAATGAAAACATTTGAAGTAGAAAAGCCGAAATACACGT            ACAGTCATCATCTGATAGTTCAGATGAACCAGCAGAAAAACGGGAAAGAAAAAGATAAAGT            TTCTAAAGAAACAAAAGCGACGTGATTCTATGAAAGTATCGTAACCCCAAAAAAAAA            AAAATATGCAATTGTATATCAAGAAAAATGGTTCCTGAAGAAATGCAATCTATGTTTT            GGGATCATTTATAGCTCANGCTGTGTGAGAAAGTGGGTTTTTCGTGCTACACTTATGAAG            ACTTGCTTTTTGTGAACTGATGATCACGAGAACCCGTGTAATAAAGTACTGGTGGGC            ATGAAAAATTTGTACAAAATGTGTGATCAAAAACACTGCAACGATCGATGATAGAAAAATT            TTTTTTTTTGGTTTTACTAACATAACAAANAGGGGGCATGTTCTTTTGTCCCGTTTAA            GGCACACGCAGATTTTGGAAAAACTCTTTTTTAAATTTTCAACCCAGCAAGTCTA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032042 unedited            TGTCTTGGCCGCGCCGATTCTANGATCGAGGTTTTTTTTTTTTTTTTTTTTTTTTTTGGTG            GTGGGAAAATGGTTTTATTTTAAAATGGAAATGGAAATATAATATACAGGGAAAAGCTTG            GGCTTTCTTTTTTTTTTTTACTTCGCATAAAACAATAAATGCAATCCAGGTCAAAGCA            CGAGGCAGAACTCGAGAAAAGAACAGTTATTAAGGGACATGGGCTTCTTTTCAAATAT            CCATGAAAACATTTAACGACGGGATGGCTAGTACCTATAGAAAAGCTCAAAGCAATAATC            TGGCCTTTAAGTTTTCGACGGGACTATTTTGAATCTTAAATTTATCAGTCACTCCTTTCCC            ATTCTACTTGGTCTAAGAATTAAGTATATAATTAATAAAAAAGGCCACATCCTGACTTT            AAATCTCCACTCTCTAAAAACCTGTTTGAGGAAACAAAATGGGGAAGAAGATCAGAAC            AAAAATATTGTTAACTGGCCGCTCATGCAGGTGGGCTACTACCAACGCTGGTTGTT            ACTCCAGGAAAATCGAGGTGAACATTATTACATTTATATCAACAAACCCATAATCAACAG            GTTAAAAAATCTACATTACAAAGAATCTGATCACTTATCAGTTGGTGGTCTGGAATAGT            TTGCCTAGCTCCCTCTGGGCTGCTACAGCTCAGATTCACAAGTAGAAATTACATTTACAC            AACTTAAAGTTTGCAAAATAGCTCTCCATAAATAGTTAAACAGGCCCTAACCATCCAGTAGT            TNTAAAGTATTAGAGGGCACTAANNAGTGATTATTCTAGCTATAGTAAAGGTTTAAAAG            AGGAGAGATGATTTAGAGAGGGATAGCAGTGATTGNNNTATAAACAGCATATTATTGCT            CTAATCAGTGCAGAGCTTCGCATTNAGCATGACAGTGGTGGGTTTTATA</p>
<b>Restriction Sites:</b>	ECORI-NOT
<b>ACCN:</b>	NM_032042
<b>Insert Size:</b>	4190 bp
<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>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).

**Reconstitution Method:**

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\\_032042.3](#), [NP\\_114431.2](#)

**RefSeq Size:** 4192 bp

**RefSeq ORF:** 1251 bp

**Locus ID:** 83989

**UniProt ID:** [Q8WUF8](#)

**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).