

Product datasheet for **SC326874**

FAM172A (NM_001163418) Human Untagged Clone

Product data:

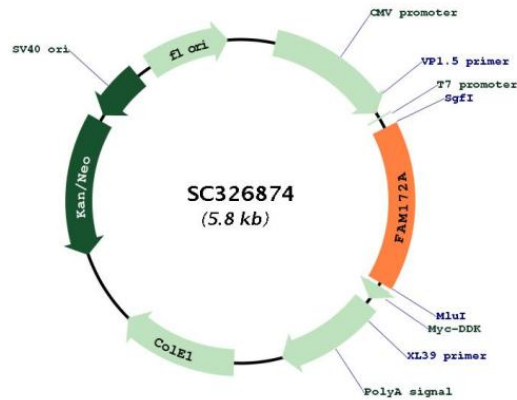
| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | FAM172A (NM_001163418) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | FAM172A |
| Synonyms: | C5orf21; Toupee |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC326874 representing NM_001163418. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAAAAGATGAACCGCCTTTGATTTTCTGATACCTGGAAGGATTTGAATATGCTTTAATGAA
AAGGGACAGTTAAGACACATAAAAACTGGGGAACCATTTGTTTTAACTACCGGAAGATTTACACAGA
TGGAACCAGAAAAGATACGAGGCTCTAGGAGAGATCATCACGAAGTATGTATATGAGCTCCTGGAAAAG
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ATCTATGTTTGGGATCATTTTCATAGCTCAGGCTGCTGCTGAGAATGTGTTTTTCGTTGCTCACAGCTAT
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GCATTGACAGACTCTGTTCAAAATGTGTGGCATCAAGAAGCTGGCAAAACGATTCGAGAATGGATGAGA
GAGAACTGTTGTAATGGGTCTCTAGCTCAGAACCATTAGACACATCAGTGGAGTCCATGCTACCTGAT
TGCCCCGGGTCTCAGCAGGCACCGACCGTCACGAGCTAACTTCTGGAAGAGCTTTCCGTCTATTTTC
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CGCATCAAGCACGAAGAGCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001163418

Insert Size: 921 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).

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:

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_001163418.1](#)

RefSeq Size: 4404 bp

RefSeq ORF: 921 bp

Locus ID: 83989

UniProt ID: [Q8WUF8](#)

Cytogenetics: 5q15

MW: 35.8 kDa

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 (3) lacks two alternate exons and uses a downstream start codon, compared to variant 1. The resulting isoform (3) has a shorter N-terminus and lacks an internal segment, compared to isoform 1.