

## Product datasheet for **SC127400**

### FA20A (FAM20A) (NM\_017565) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FA20A (FAM20A) (NM_017565) Human Untagged Clone
Tag:	Tag Free
Symbol:	FA20A
Synonyms:	A11G; AIGFS; FP2747
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC127400 sequence for NM\_017565 edited (data generated by NextGen Sequencing)

```

ATGCCGGGGTGCGCCGGGACCGCCTACTGACTCTGCTGCTGCTGGGCGCGCTGCTCTCC
GCCGACCTCTACTTCCACCTCTGGCCCCAAGTACAGCGCCAGCTGCGGCCCTGGGAGCGC
CCGCGGGGGTGCCCGTGCACCGCGCCGCTCCTCCCTGGCGGGGACTCGGCCGAGCT
GCCTCGGACCCCGGCACGATCGTGCACAACCTTTCCCGAACCCGAGCCCGGACTGAACCG
GCTGGCGGCAGCCACAGCGGGTCGAGCTCCAAGTTGCAGGCCCTTTCGCCACCCGCTG
TACAACGTCCCGAGGAGCCGCTCCTCCTGGGAGCCGAGGACTCACTCCTGGCCAGCCAG
GAGGCGCTGCGGTATTACCGGAGGAAGGTGGCCCGCTGGAACAGGCGACACAAGATGTAC
AGAGAGCAGATGAACCTTACCTCCTGGACCCCCACTGCAGCTCCGACTCGAGGCCAGC
TGGGTCCAGTTCCACCTGGGTATTAACCGCCATGGGCTCTACTCCCGTCCAGCCCTGTT
GTCAGCAAACCTTCTGCAAGACATGAGGCACTTTCCACCATCAGTGTGATTACAGTCAA
GATGAGAAAGCCTTGCTGGGGCATGTGACTGCACCCAGATTGTGAAACCCAGTGGGGTC
CACCTCAAGCTGGTGTGAGGTTCTCGGATTTCCGGAAGGCCATGTTCAAACCCATGAGA
CAGCAGCGAGATGAAGAGACACCAGTGGACTTCTTCTACTTCATTGACTTTCAGAGACAC
AATGCTGAGATCGCAGCTTTCATCTGGACAGGATTCTGGACTTCCGACGGGTGCCGCCA
ACAGTGGGGAGGATAGTAAATGTCACCAAGGAAATCCTAGAGGTACCAAGAATGAAATC
CTGCAGAGTGTCTTTGTCTCTCCAGCGAGCAACGTGTGCTTCTTCGCCAAGTGTCCA
TACATGTGCAAGACGGAGTATGTGTGTGGCAAACACACCTGCTGGAGGGTCCCTC
TCTGCCTTCTGCCGTCCTCAACCTGGCCCCAGGCTGTCTGTGCCAACCCCTGGATC
CGCTCTACACTGGCAGGAAAAGAGGAGTGGGAGGTCAATCCCTTTACTGTGACACA
GTGAAACAGATCTACCCGTACAACAACAGCCAGCGGCTCCTCAATGTCATCGACATGGCC
ATCTTCGACTTCTTGATAGGGAATATGGACCGGCACCATTATGAGATGTTCAACCAAGTTC
GGGGATGATGGGTTCTTATTCACCTTGACAACGCCAGAGGGTTTCGGACGACACTCCCAT
GATGAAATCTCCATCCTCTCGCCTCTCTCCAGTGTGATGATAAAAAAGAAAACACTT
TTGCACCTGCAGCTGCTGGCCAAAGCTGACTACAGACTCAGCGATGTGATGCGAGAATCA
CTGCTGGAAGACCAGCTCAGCCCTGTCTCACTGAACCCACCTCCTTGCCTGGATCGA
AGGCTCCAAACCATCCTAAGGACAGTGGAGGGGTGCATAGTGGCCATGGACAGCAGAGT
GTCATAGTCGACGGCCAGTGGAACAGTCGGCCCCAGACTCTGGCCAGGCTAACTTGACA
AGCTAA
    
```

Clone variation with respect to NM\_017565.3  
 345 g=>a;735 g=>a;996 c=>a;1589 t=>c

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_017565 unedited

```

NAAAAAGGGGAAAAAACACAAACCCCCNCCGTTCAAAATTGTATACGACTCATATAG
GCGGCCGCGNAATTTCGACGAGAACGCCCGGGCTTTCAGCCGCGGCCCTCCGTCCGCC
CTCCGCGGTCCGCCCCGCCCCGTCGCCCGTCCGCCCGCGGTGGCAGCCGCGCCGGCGC
CCCGGGGCCCTTACCTGCCGCGAGCGTCCGGGCGGGCGGGCGCACGGGAGAAAAGGCGC
AAGAAGCGGGCACCCGGGAACCCATTCCCTCGGCTCACTCGGCGGGGAGAAAGCAGCGC
CCGCTGACTCCGAGAGCCCCGCTCCGTGCACCTGGTCCCAAGTTGAGGAGCGACAC
CCCTCCACAGGGGACTAGCCCGCGGGGAGCATTCCGGTCTCACTGACCCCGGCCACC
CGCGGGACTCCAGGCACCTTTCTGCCCGACCCCGGACCCCTCCCGGACCCCGGAGA
CAGCCGGCTGCCCGCGCTCCCTTGGCCAGCACGCCATGCCGGGGTGCGCCGGGA
CCGCTACTGACTCTGCTGCTGCTGGGCGGCTGCTCTCCGCCGACTTACTTCCACT
CTGGCCCCAAGTACAGCGCCAGCTGCGGCTCGGGAGCGCCCGGGGGTGCCCGTGCAC
CGCCCGCCCTCCTCCCTGGCGCGGGACTCGGCCGAGCTGCCTCGGACCCCGGCACGAT
CGTGCACAACCTTTCCCGAACCGAGCCCCNACTGAACCGGCTGGNCGCAGCCACAGCGG
GTGAGCTCCAAGNTGCANGCCCTTTCGCCACCCGCTGTACACGTCCCGGAGAAGCGCC
TCCTCTGGGAGCCGAGACTCACTTCTGGCCAGCCAGGAGCGCTGCNGTATTACGNAGGAA
GTGGCCGCTGAACAGCGACCCAGATGTCCGAGAGCGATGACCTTACCTCCTGGACCN
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_017565 unedited GGGGGATTTACTGTGTNACCGCGCCCGTTATNCTANNGATCGATTTTTCTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCCTTGAAGTCCTTTATTTGACTTGTTACCATTA GTACTCTCCTGGGATCAAGGCTGCCAAGCCTGACCTATACCCAAATTTCCAGTGCACTC AGGAAATCGTCGGTGGCCTTGATGAACCCAGTGCCTTTTTTTTTAAAAACGGAGCAAGGCA ACGCACGACAGAAGCGGTGCACCAAGGAGTAAAGATTTCAGTTCCATGGGCCCCACTTGCT GTTTGAAAAAATGTCCTGCTTCCCTTAGCTAGCTGACTTCCAGCAGTAAACAGGTGGG AGTGAGGACCCAGGTCGGCACTCGAGTCGACTGCTCTGGCTCCAGGCGTATTTTCTGAA ACTGGACTCTGCCAGCCCTTAGCTTGCAAGTTAGCCTGGCCAGAGTCTGGGGCCGACTG TTCCACTGGGCGCTCGACTATGACACTCTGCTGTCCATGGGCCACTATGCACCCCTCCAC TGTCTTAGGATGGTTTGGAGCCTTCGATCCAGGGCAAGGAGGTGGGGTTCAGTGAGGAC AGGGCTGAGCTGGTCTTCCAGCAGTGATTCTCGCATCACATCGTGAGTCTGTAGTCAGC TTGGGCCAGCAGTGCAGGTGCAAAAGTGTTCCTTTTTATCATGCANCACTGGGAAAG AGGCAAGAGGATGAAATTTTCATCATGGGAGTGTGTCGCGAACCTCTGGCGTTGTCAAG GTGAATAAGGAACCCATCATCCCCGAAGTGGTGACATTCATATGGTGCCGGTCCATAT TCCCTATCAAGAAGTCCAAGATGGCCATGTCGATGACATTGAAGAGCCGA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_017565
<b>Insert Size:</b>	2700 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).
<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>	<a href="#">NM_017565.2</a> , <a href="#">NP_060035.1</a>
<b>RefSeq Size:</b>	2267 bp
<b>RefSeq ORF:</b>	1626 bp
<b>Locus ID:</b>	54757
<b>UniProt ID:</b>	<a href="#">Q96MK3</a>
<b>Cytogenetics:</b>	17q24.2
<b>Protein Families:</b>	Secreted Protein, Transmembrane

**Gene Summary:**

This locus encodes a protein that is likely secreted and may function in hematopoiesis. A mutation at this locus has been associated with amelogenesis imperfecta and gingival hyperplasia syndrome. Alternatively spliced transcript variants have been identified.

[provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) encodes the longer isoform (a).