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Product datasheet for SC215232

FAM111A (NM_001142520) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	FAM111A (NM_001142520) Human 3' UTR Clone
Symbol:	FAM111A
Synonyms:	GCLEB; KCS2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001142520
Insert Size:	1565 bp

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Insert Sequence:

>SC215232 3'UTR clone of NM_001142520
The sequence shown below is from the reference sequence of NM_001142520. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTAGAAATGATGAGTGATGAGGACTTGTGAGAATTCAGTCTACTGGATTTAAGGGAATGGCTTATGGAG
TTGTTATTTCATAGGCATTGAAAATGGTTTTCTAAACTCCAAAATGGTCATCTTATCAATAATAATAAT
ATTGACCATTTCCTATCTGCCAGGCATTTTTCTAAGCACATGAAGAAATTAGTCCTAACAACACTATGA
GATGGACTATAACTTGCCCAAATTTTTTTTTTTTTTTTGAGACTGAGTCTCACTCTGTCGCCTGGGCTG
GAGTACAGTGGTGCGATCTCAGCTCACTGCAACTTCCACCTCCCAGGTTCAAGCGATTCTTATGCCTCA
GTCTCCTGAGCAGCTGGGATTACAGGCAAACGCCACCACACCCAGCTAAATTTTTTTTTTTTTTTTGT
ATTTTTAGTAGAGACAGGGTTTCACCATGTTGGTCAGGCGGGTCTCGAACTCCTGACCTCGTGATCCAC
CTGCCTCGGCCTTCCAAAGTGCTGGGATTACAAGTTTGAGCCACTGCACCTGGCTAACTTGCCCTATTT
TAAAGTCAAGCAATGGGAAGAATAACAAGATTATATAGTAATCAGTTTCATGACACTAAAAGTCATATA
GTCATAGGGTTTTTTCATCTTTCATATCTTTGCCTAAATTCATTTGCTACAGTGCAGGAACCAAAACTT
GTTCATCTCATGATTCCCTACATCTGACATAAGGAAAGTAAGTGCTCAGAAAAATGTGCAGGTCAATAA
GTTGCAAAAGTTGGGGCTGCAATTAATGCTAACATAAGAGCTAAATGCTTGATTAGAAATGATCTCAAA
ACCTTTTAGAATTTCCAAAATCTTCATATTACTGAAACTGTCGGAATATATGGGTCTTGAAATTCAGAA
GATGATAGTCACTCTTCCCATATTTATAGGCTATTAAGGCAAGGGATATCTTAAACATCATATTACTTT
ATTTAGATTTCTACTACTCCAATTATTAATGTTATGTATTTCTCATTGTTTTACTTCTTCATGGTATTA
TGAAGACTATATAGATGATTCAACCAAGCCTGCAAATCTCCCTCTTGTGGAATTCCACTGGACCCAATC
TGTTTTCCATTTCCATTGCAATACTACTAAAGCCATACAATATCAAGCACCCTCCCTCTAGGTCCAGGG
ACTATCACAGAAGAAGCAGGCATGTAAGATTTTAAGGACTGGTTTCGAGGGGTCGAGTGTAGGAAAACA
GCCTGTTGCATTGTAAGAGTGATGTCATCTTGAAGAGCAGCTGGCATGATGACTGCTGTTTGACTCCTG
CATACCAAGATATTCTGCAGCAATGTCTTTAAACAGTGCCGGTAGTACAGATAACCCCTCATAAAGATG
CTTATCTAACCTCCCCAGTGTTCAGGTGTTTCACAAGAAAGTCTGAGATATGACTAGCTACACGTTTTG
CCAAAAATGCTTGTTATATAAAGGGTACTTTTGGGAGGGTGAGTGCCGCCATTTAGTGGCTGCTAGAAA
CATTGCTTCTGTTTGTAAGTTCCTATTAAATGTTTCTTTCTGAGAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_001142520.3

Summary:	The protein encoded by this gene is cell-cycle regulated, and has nuclear localization. The C-terminal half of the protein shares homology with trypsin-like peptidases and it contains a PCNA-interacting peptide (PIP) box, that is necessary for its co-localization with proliferating cell nuclear antigen (PCNA). Reduced expression of this gene resulted in DNA replication defects, consistent with the demonstrated role for this gene in Simian Virus 40 (SV40) viral replication. Mutations in this gene have been associated with Kenny-Caffey syndrome (KCS) type 2 and the more severe osteocraniostenosis (OCS, also known as Gracile Bone Dysplasia), both characterized by short stature, hypoparathyroidism, bone development abnormalities, and hypocalcemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2015]
Locus ID:	63901
MW:	59.3