

## Product datasheet for **RR203786**

### Fam110c (NM\_001025051) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam110c (NM_001025051) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam110c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203786 representing NM_001025051 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCGCCTGCCACCCTGGACTCGCTTCCAGAACCGGCCATCTCTCGGGACTCCAGGGCAGCGG  
AGGGCACTTTACCCGGCAGCCAGCGAACAAGAGCGCTGTGGAGAGACTAGCAGCGGACCGTGCCAAGTA  
TGTTTCGACGACGCTGGGATCTAGCCGGGTCCAGTATCCGAAAACAGGGTCCCTGAGGCCCCAGGGGTG  
CAGCACCGCAACCCGATCCCTTCGACTCTTGCCCGAGCTCCTGTAGCCCGCAGAGCTGTCGCTCGAAAGC  
CTCTGAGACCTGATTCATTGGTCATCTATCGGCAGAAATGTGAATTCGTACGAGGGTCAGATGCAGACTC  
TTCCAGAGTGGGACTAATGAAGAAGTTTTCCAGGGGTCTGGCAAGGACAAAATGTCAGTGACCCCTGAG  
ACGACCAGGGTGGCAGATGAGTATAAGACGAAGGAAACAGAGGCCACTTGGACTAAGGCGAGCCAGGCAG  
CAGCCGCTAAACCAGCCTCTATGTTACCACCTCCAGCCCTGTAGTGCCATGGAATCCCCAGCCTTGCC  
TTTTGAAGTGGCTCCCAGAGTGCCTGTCCGTGTTCCGGCGTGGAGCTGCGGGCGTCCCGTAGCAAAGGA  
TTGCAGCGCTCTCAGTCAGATCTCAGCTCCGCTACTCGACAGCCAGGGCTGAGTCTGACACCTTCTCC  
AGTATTGTGGCCTGGACCCTGAAGTTGTGGAGTCTCTCGGGAGGGAGAATTCTCTGCTGCATCCGACTG  
CGTTACACCCAAAATGCGTAGCGTGAGCATGGCTACTTCTGATAGTAGCTTCTCCAGGCACAGCGAGGAC  
GGTTGCAAGAAGAGGAGCTCCTGGAGCAGGTGCCTAGCACCACTTCTGTAGTAGAAAGGAACGCCCGTA  
TCATAAAGTGGCTGTTTACCTGCAAGAAGGCCAAAGAAACCCCGCCAGCAGAAGTTGCAGGAACCTGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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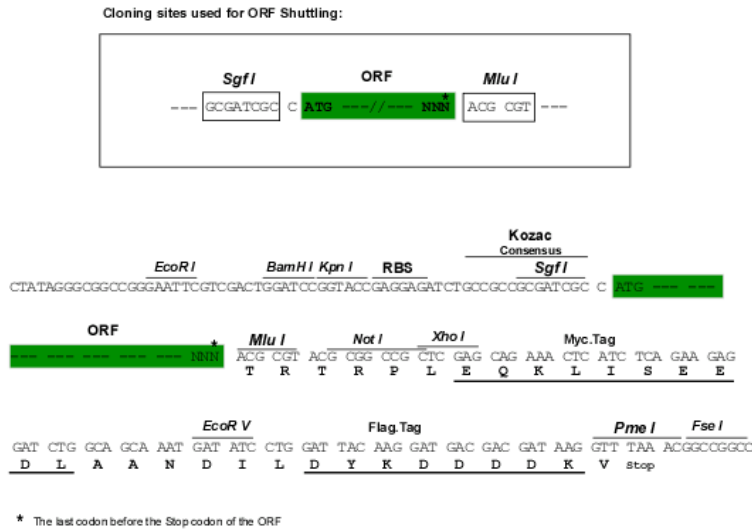
**Protein Sequence:** >RR203786 representing NM\_001025051  
 Red=Cloning site Green=Tags(s)

MRALPTLDSLARTRPSLGDSRAAEGTLTRQPANKSAVERLAADRKYVVRSTLGSSRGPVSENVRPEAPGV  
 QHRNPIPSTLAPAVARRAVARKPLRPDSLVIYRQKCEFVRGSDADSSRVGLMKKFFQGGKDKMSVTPE  
 TTRVADEYKTKETEATWTKASQAAAAKPASMLPPPAPVVAMESPALPFEVAPRVPVRRSGVELRASRSKG  
 LQRSQSDLSSRYSTARAESDTFFQYCGLDPEVVESLGRENFSAASDCVTPKMRSVSMATSDSSFSRHS  
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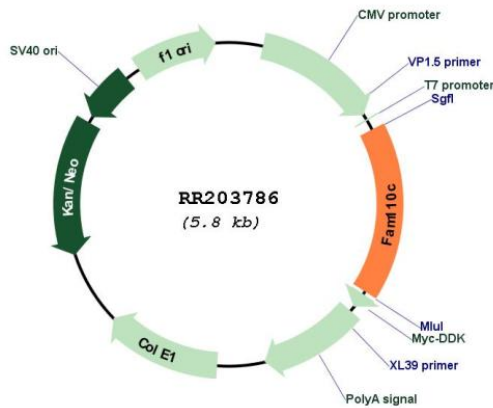
TRTRP**LEQKLISEEDLA**NDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001025051

<b>ORF Size:</b>	978 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001025051.1</a> , <a href="#">NP_001020222.1</a>
<b>RefSeq Size:</b>	3137 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	500638
<b>UniProt ID:</b>	<a href="#">Q5RKJ0</a>
<b>Cytogenetics:</b>	6q16
<b>MW:</b>	35.6 kDa
<b>Gene Summary:</b>	May play a role in microtubule organization. May play a role in cell spreading and cell migration of epithelial cells; the function may involve the AKT1 signaling pathway. [UniProtKB/Swiss-Prot Function]