

## Product datasheet for **RN201754**

### Fam213a (NM\_001014140) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam213a (NM_001014140) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fam213a
Synonyms:	Fam213a; PAMM; RGD1309676
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201754 representing NM_001014140 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTTTTCTCCAGGACTCAAGTTTCTTTCCATGGGTATGTGGTCCATCGGTGTGGGAGCTTTTGGG  
CTGCTGCACTGGCACTGCTCCTGGCCAACACAGACATGTTTCTCTAAGCCCCAAAAGCGCACTGGA  
ATATTTGGAAGACATAGATCTGAAACACTGGAGAAAGAACCAAGGACATCAAAGCAAAGGAGCTATGG  
GAAAAGAATGGGCTGTGATTATGGCTGTGCGAAGGCCAGGCTGCTTCTCTGTGAGCGGAAGCAGCAG  
ATCTGATGTCCTTGAAGCCAAGCTGGATGAGCTAGGTGTCCCTCTACGCAGTGGTGAAGGAGAAGGT  
CAAGAGGGAAGTGGAGGATTTCCAGCCTTACTTCAAAGGGGAAATCTTCCCTGGATGAAAAGAAAAGTTC  
TATGGTCCAGAGAGGCGGAAGATGATGCTTATGGCCTCGTGCCTTTGGGTGTGGTATAACTCCTTCC  
GGGCTGGAAGGGAGGCTTCTCTGGAACTTTGAAGGCGAAGGCTTCATCCTCGGAGGGGTTTTTGTGAT  
AGGATCTGGAAAGCAGGGCGTTCCTTCTGAGCACCAGAAAAAGAGTTTGGAGACAGAGTGAACCTGCTC  
TCTGTTCTGGAAGCCGTAAGAAGATCAAGCCACAGACCCAGCCTCCAGGCAAAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001014140
Insert Size:	690 bp



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<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>	<u><a href="#">NM_001014140.1</a></u> , <u><a href="#">NP_001014162.1</a></u>
<b>RefSeq Size:</b>	1466 bp
<b>RefSeq ORF:</b>	690 bp
<b>Locus ID:</b>	361118
<b>UniProt ID:</b>	<u><a href="#">Q6AXX6</a></u>
<b>Cytogenetics:</b>	16p14
<b>Gene Summary:</b>	Involved in redox regulation of the cell. Acts as an antioxidant. Inhibits TNFSF11-induced NFKB1 and JUN activation and osteoclast differentiation. May affect bone resorption and help to maintain bone mass. Acts as a negative regulator of macrophage-mediated inflammation by inhibiting macrophage production of inflammatory cytokines, probably through suppression of the MAPK signaling pathway.[UniProtKB/Swiss-Prot Function]