

Product datasheet for **RR206198**

Fam210a (NM_001007688) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam210a (NM_001007688) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam210a
Synonyms:	RGD1359600
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206198 representing NM_001007688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAATGGAATGTACCACGGACTATGTCTCGGCTGGCACTCAGGACATTCTTGAAGCACAGAAAGCCA
GGCTGTTTGCATCACCATCGGAGCACAAAAGGACTGTTACTTGTGCATAGAGGTGAATACAGAGTGGCTTG
GACACCGCACCTTCGAAAGCAGTGGCTTCAATTTATCTGCTGTTTCAAGTGCCTTGCAAAGCAAAGGAATCTG
TTAGATGCTCAGCCACCCCAACGGGGGCCCTTCCCAAGGACGATGGGAGCAGGATATTTTATCCAAGA
GGGTTTTATCTTCCAGTTCACAAAGCCAGGAACTCCGTCAGAAAAAAGGAAGAACCAGATCCTTTACA
AGACAAATCTATTAGTCTGTATCAACGATTTAAGAAAACATTTAGGCAGTATGAAAAAGTTTTAATTCT
GTGCATCTAATAACGTCCGGATTTGGTTTGGGACATTTACTATGCATCTATAAAGGAGTGAATGTCA
TCCCTTTCCTAGAGTTCCTTGGTTACCTGACAGTGTAGTAGACATCCTGAAAACTCCCAAAGTGGAA
TGCACTGACGGCTACGCCATGTTAAGATCGCCACGCCTGCCCGCTACACTGTGACCCTAGGAGGAACC
TCCTTCACTGTGAAGTATCTGCGAAGTCATGGCTACATGTGACCCCGCCGCTGTCAAGGAGTATCTGC
AGGGCAGAATGGAAGAGACGAAGGAGCTCATCTCAGAGAAAAATGGAGGAGACGAAGGATAGACTCACTGA
AAAGTTACAGGAAACCAAGAAAAAGTTCTTTTAAAGAAAAAGTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206198 representing NM_001007688
Red=Cloning site Green=Tags(s)

MQWNPRTMSRLALRTFLEAQKARLFDHHRSTKGLLLVHRGEYRVAWTPHLRKQWLHL SAVQCLAKQRNL
 LDAQPPQRGALPQGRWEQDILSKRVLSSSSTSQETPSEKKEEPDPLQDKSISL YQRFKKTFRQYGVKVLIP
 VHLITSGIWFGTFFYYASIKGVNIPFLEFLGLPDSVVDILKNSQSGNAL TAYAMFKIATPARYTVTLGGT
 SFTVKYLRSHGYMSTPPPVKYELQGRMEETKEL ISEKMEETKDRLTEKLQETKEKVSFKKKVE

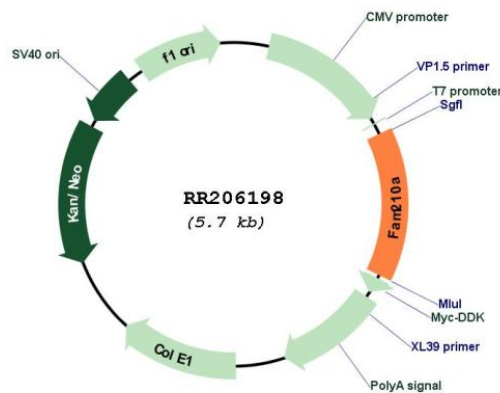
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001007688
ORF Size: 819 bp

OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001007688.4 , NP_001007689.1
RefSeq Size:	9624 bp
RefSeq ORF:	822 bp
Locus ID:	307343
UniProt ID:	Q5XIJ4
Cytogenetics:	18q12.1
MW:	31.5 kDa
Gene Summary:	May play a role in the structure and strength of both muscle and bone.[UniProtKB/Swiss-Prot Function]