

## Product datasheet for **RG214052**

### **FAM210A (NM\_001098801) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM210A (NM_001098801) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM210A
Synonyms:	C18orf19; HsT2329
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214052 representing NM_001098801 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAATGGAATGTACCACGGACTGTATCTCGACTGGCACGCAGGACATGCTTGGAAACCACATAATGCTG  
GTCTCTTTGGACTGTCAAAATGTAAGGGACCTTTACTTTTATACAATGCTGAATCCAAAGTGGTTTT  
GGTACAAGGCCCTCAAAAACAATGGTTGCATTTATCTGCTGCCAGTGTGTTGCAAAGGAAAGGAGGCCA  
TTGGATGCTCATCACCCCAACCAGGAGTCCTTCGCCATAAGCAAGGGAAGCAACATGTTTCATTACGGA  
GGTTTTTTCATCCAGTGCCACAGCTCAGGGAACCTCCGAAAAAAGGAAGGCCTGATCCTTTGCAAGA  
CAAATCTATTAGTCTTTATCAACGATTCAGAAGACATTTAGACAGTATGGAAAAGTTCTGATTCCAGTG  
CATCTAATAACTTCTGGTGTGGTTGGTTGGAACATTTTATTATGCAGCCTTGAAAGGAGTGAATGTCGTTT  
CTTTTCTAGAACTCATTGGGTTACCTGACAGTGTGGTAAGCATCCTGAAAACTCCAGAGTGGAATGC  
CCTCACAGCATATGCCTTGTTAAGATTGCAACACCTGCTCGGTATACCGTGACTTTGGGAGGAACATCT  
GTCAGTGTGAAGTATCTGCGCAGTCATGGCTACATGTCCACGCCGCCACCCGTCAAGGAGTATCTGCAGG  
ACAGGATGGAAGAGACAAAGGAGCTTATCACAGAGAAAATGGAAGAAAACAAAAGATAGACTCACTGAAAA  
GTTACAAGAAACCAAGAAAAAGTTTCCTTTAAGAAAAAAGTGGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG214052 representing NM\_001098801  
 Red=Cloning site Green=Tags(s)

MQWNPRTVSRLARRTCLEPHNAGLFGHCQNVKGPLLLYNAESKVVLVQGPQKQWLHL SAAQCVAKERRP  
 LDAHPPQPGVLRHKQKQHVSRFRVFSSSATAQGTPEKKEPDPLQDKSISLYQRFKKTFRQYGVKVLIPV  
 HLITSGVWFQTFYYAALKGVNVVPFLELIGLPDSVVSILKNSQSGNAL TAYALFKIATPARYTVTLGGTS  
 VTVKYLRSHGYMSTPPPKEYLQDRMEETKELITEKMEETKDRLTEKLQETKEKVSFKKKVE

TRTRPLE - GFP Tag - V

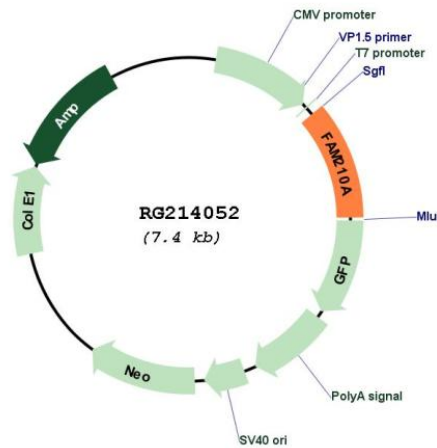
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001098801

**ORF Size:** 816 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_001098801.2</a>
<b>RefSeq Size:</b>	4392 bp
<b>RefSeq ORF:</b>	819 bp
<b>Locus ID:</b>	125228
<b>UniProt ID:</b>	<a href="#">Q96ND0</a>
<b>Cytogenetics:</b>	18p11.21
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	May play a role in the structure and strength of both muscle and bone.[UniProtKB/Swiss-Prot Function]