

## Product datasheet for **RG218805**

### **FAM3B (NM\_206964) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FAM3B (NM\_206964) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FAM3B  
**Synonyms:** 2-21; C21orf11; C21orf76; ORF9; PANDER; PRED44  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG218805 representing NM\_206964  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCGCCATTGGCTGGTGGCCTGCTCAAGGTGGTGTTCGTGGTCTTCGCCTCCTGTGTGCCTGGTATT  
CGGGGTACCTGCTCGCAGAGCTCATTCCAGATGCACCCCTGTCCAGTGTGCCTATAGCATCCGCAGCAT  
CGGGGAGAGGCCTGTCTCAAAGCTCCAGTCCCCAAAAGGCAAAAATGTGACCACTGGACTCCCTGCCCA  
TCTGACACCTATGCCTACAGTTACTCAGCGGAGGTGGCAGAAGCAAGTACGCCAAAATCTGCTTTGAGG  
ATAACCTACTTATGGGAGAACAGCTGGGAAATGTTGCCAGAGGAATAAACATTGCCATTGTCAACTATGT  
AACTGGGAATGTGACAGCAACACGATGTTTTGATATGTATGAAGGCGATAACTCTGGACCGATGACAAAG  
TTTATTACAGAGTGTCTCCAAAATCCCTGCTCTTCATGGTGACCTATGACGACGGAAGCACAAGACTGA  
ATAACGATGCCAAGAATGCCATAGAAGCACTTGGAAAGTAAAGAAATCAGGAACATGAAATTCAGGTCTAG  
CTGGGTATTTATTGCAGCAAAAGGCTTGGAACTCCCTCCGAAATTCAGAGAGAAAAGATCAACCACTCT  
GATGCTAAGAACAACAGATATTCTGGCTGGCCTGCAGAGATCCAGATAGAAGGCTGCATACCCAAAGAAC  
GAAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG218805 representing NM\_206964  
Red=Cloning site Green=Tags(s)

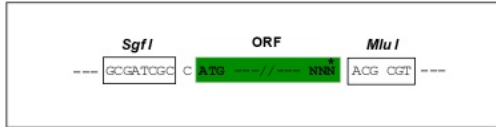
MRPLAGLLKVVVFVVFASLCAWYSGYLLAELIPDAPLSSAAYSIRSIGERPVLKAPVPKRQKCDHWTPCP  
 SDTYAYRLLSGGGRSKYAKICFEDNLLMGEQLGNVARGINIAIVNYVTGNVTATRCFDMYEGDNSGPMTK  
 FIQSAAPKSLLFMVTYDDGSTRLNNDAKNAIEALGSKEIRNMKFRSSWVFAAKGLELPSEIQREKINHS  
 DAKNNRYSGWPAEIQIEGCIKERS

TRTRPLE - GFP Tag - V

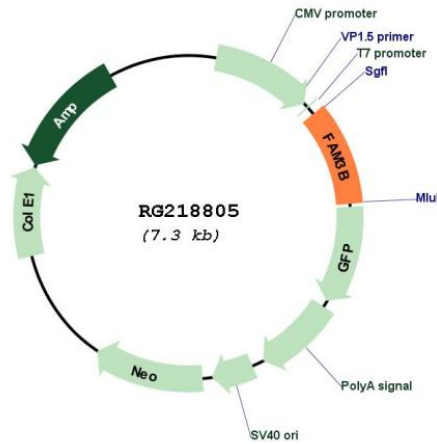
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_206964

**ORF Size:** 561 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_206964.1</a> , <a href="#">NP_996847.1</a>
<b>RefSeq Size:</b>	1240 bp
<b>RefSeq ORF:</b>	564 bp
<b>Locus ID:</b>	54097
<b>UniProt ID:</b>	<a href="#">P58499</a>
<b>Cytogenetics:</b>	21q22.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	Induces apoptosis of alpha and beta cells in a dose- and time-dependent manner. [UniProtKB/Swiss-Prot Function]