

## Product datasheet for **RG214213**

### **FAM222B (NM\_001077498) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM222B (NM_001077498) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM222B
Synonyms:	C17orf63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG214213 representing NM\_001077498  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTAGCCTGTCTACCAGGGCCAGGTGACCTGTCTTTTCAGCTTCTTTCTCACACGCAGATGAACACTG  
 GACTTCAGAAATGGGACACTACACAGAAAATGAGAACTGCTCACTATCCTACCCAGCCGAATTGGATGC  
 GTATGCTAAGAAGGTCGCAAACAACCCACTGACTATAAAAATCTTCCCAACAGTGTGAAGTTCCCCAG  
 CGGAAACACGTTTCGTCGTAAGTGTGAACGGCCTCGACACATCAGCCAGCGCTACAGCCCCTACCCGACAC  
 AGGCTGCCACCAAGGCAGGCCTGCTTGCCATTGTCAAAGTGCCAGCCAAAAGCATACTCAAGGACTTTGA  
 CGGCACCCGAGCCGGTTGCTCCCTGAGGCCATCATGAACCCCCAGTGGCACCCTATGCTACTGTGGCA  
 CCCAGCACTTTAGCCACCCAGGCCAGGCTCTGGCCCGCCAGCAGGCCCTGCAGCATGCACAGACCC  
 TGGCCCATGCCCTCCCCAGACGCTGCAGCACCCCTCAGGGTATCCCGCCACCCAGGCACGTCCCACCC  
 TCAGAGCCTCCAGCAGCCTCAGGGCCTGGGCCACCCCTCAGCCATGGCCCAAACCCAGGGCTTGGTCCAC  
 CCTCAGGCCCTGGCTCACCAGGGTCTCCAGCACCCCAATCCCTTGTGCATGGAGGCCGGAAGATGC  
 CAGACTCAGATGCCCCCGAATGTGACCGTGTCTACCTCAACTATCCCCCTTCAATGGCGGCCACTCT  
 GCAGCACAGCCAGCCTCCGGACCTGAGTAGCATCGTGACCCAGATCAACCAGTTTTGCCAGACGAGGGCA  
 GGCATCAGCACTACCTCAGTGTGTGAGGGCCAGATCGCCAACCCAGCCCCATTAGTCGCACTGTCTCA  
 TCAATGCAAGCACCCGGTGTGACCCACAGCGTCCCCACACCAATGCCTTCATGTGTGGTCAATCCCAT  
 GGAGCACACCCACGCGGCCACCGCCGTTGCCCTGCTGCAGGTCTGTCAACTGCCACAGGCATCTCT  
 CGCGTCCCCTAGGCTACCTAGCGACCTCAAGCCAGTCACTGGAACCAGCACCAGTGGCCACCTAC  
 AGCAGATGTGACGCGAGGCTAGTGGGACGCCACCCCTGGCCTGACAGGCAAGCATGCGGCAGGACGCGA  
 GTTGGCAGGGCCTGGCTTTGTGGCAAGGCCCTGCCTACCCGACGGAACCTCTGCCTGGCGCAGTCCCTT  
 CATCTGAAGCCACCCCTGGAAGCCGACCCCATCCCCACAGTCAACGGCATGGCAGCCCCATTGGCCT  
 ACCCCAATGGTCACTACTTCCAACCCCTGTGGAACAACATTCTGCCCACTCCCAATAGCGACAGCTCGGG  
 GTCTCAGGACCTTGCCATGCCGTTCCACGGTGGGACGCCACAGGTGCACCCCTCGACTGTGCGGCAGCT  
 CCCGGGGCCCACTACCGAGCAGGACCGGGGGCGGTCCAGTGGCAAGCCAGAACAGCTTGATGCAAAACAG  
 TGGATTACCTAAGTGGGATTTCCAACAGGCCTGCTCCGAGAACAGAGCCTGGCCATGCTGAGCAAGGC  
 CCACCGAGCCCCGGCAACCGAGCCCCGATCCCACAGAGAGTCAAGTCTTCATATTCAGCACCCAGGG  
 TATAGA

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG214213 representing NM\_001077498  
 Red=Cloning site Green=Tags(s)

MLACLPGPGDLSFQLLSHTQMNTGLQKWDTTQKMRTAHYPTPAELDAYAKKVANNPLTIKIFPNSVKVPQ  
 RKHVRRTVNGLDTSARYSYPYQAATKAGLLAIVKVPKAKSILKDFDGTARLLPEAIMNPPVAPYATVA  
 PSTLAHPQAQALARQALQHAQTLAHAPPQTLQHPQGIPPPQALSHPSLQPPQLGHPQPMQATQGLVH  
 PQALAHQGLQHPHNPLHGGKMPDSDAPPNVTVSTSTIPLSMAATLQHSQPPDLSSIVHQINQFCQTRA  
 GISTTSVCEGQIANPSPISRLLINASTRVSTHSVPTPMPSCVVPMEHTHAATAALPAAGPVNLPPTGIS  
 RVPTGYPSDLKPVTWNQHLAHLQQMCSEASGTPAPGLTGKHAAGRELAGPFGVKAPAYPQELCLAQSF  
 HLKPPLEKPTSPPVNGMAAPLAYPNGHYFQPLWNNILPTPNSDSSGSQDLAMPFHGGQPTGAPLDCAA  
 PGAHYRAGTGGGPVASQNSLMQTVDYLSGDFQQACFREQLAMLKAHRAPGNRAPDPTESRSLHIQHPG  
 YR

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

SgfI-MluI



<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_001077498.3</a>
<b>RefSeq Size:</b>	4163 bp
<b>RefSeq ORF:</b>	1689 bp
<b>Locus ID:</b>	55731
<b>UniProt ID:</b>	<a href="#">Q8WU58</a>
<b>Cytogenetics:</b>	17q11.2