

## Product datasheet for MC212571

### Frat2 (NM\_177603) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Frat2 (NM_177603) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Frat2
Synonyms:	MGC37615
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212571 representing NM_177603 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTTGCCGGAGAGAGGAGGAGGAGGAAGCCGGCGACGAGGCAGAGGGGAGGAGGACGACGACAGCT  
TCCTCCTGCTGCAGCAGTCGGTACTCTGGCGGCTCGACCGACGTGGATCGGCTCATCGTCCAGATCGG  
CGAGACGCTGCAGCTGGACACGGCGCACGATCGCCGGCCTCGCCGTGTGCCGCCCGGGTCCCCACCC  
GCGCCTCCGCGGGTCTTGGCGGCTGTGCGCGACAAGACCGGGACCCAGCGAGGCGGCTGCTGCGGC  
CGACGGGGT CAGCAGAGACCGGGACCTGCGCCTCCGGGGCCGTGCGCTGCGTCTGGGGAGCGCGG  
GCGTGTGCGGGGCGATCGGCGCCCTACTGCGTTGCGGAGATCGCCCGGGTGCCAGCGCGCTTCCCGGG  
CCGGGGCGCGAGGGTGGCTCCCGGCTCCGTGGCTTCTACCGAATCCAGCAGCGCGGTGGACAGCAG  
GCGGAGCGCGCGCGCCGACGACGCCGACCGGCTCCTGCAGCAGCTCGTGTCTCCGAAACCTCAT  
CAAGGAGGCGGTGCGCAGACTCCAGCGAGCGGTGCGCGGTTGCGGCCACGAGCCCCGCGAGCGCTCCG  
GGTCCGGGGTGGCCGAAGCGGACCGGACTCAGTCACTCTGCAGCCCTCGGGCGCTGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_177603
Insert Size:	696 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>	<a href="#">NM_177603.3</a> , <a href="#">NP_808271.1</a>
<b>RefSeq Size:</b>	2176 bp
<b>RefSeq ORF:</b>	696 bp
<b>Locus ID:</b>	212398
<b>UniProt ID:</b>	<a href="#">Q8K025</a>
<b>Cytogenetics:</b>	19 35.33 cM
<b>Gene Summary:</b>	Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3.[UniProtKB/Swiss-Prot Function]