

## Product datasheet for **MG215393**

### **Pcsk6 (NM\_011048) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pcsk6 (NM_011048) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pcsk6
Synonyms:	b2b2830Clo; C86343; Pace4; SPC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG215393 representing NM\_011048  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTCCGCGCGCCGCCAGCGCCCGGGCCCGGCCGCGCCCGGGCCGCCGATGTCGCGCGGGCG  
 CAGGGGCCGCGCCGGCACGGACTCCCGCCGCTCGCGCTGCGCCCTGGCGTTGGCTGCTTCTGCTCGC  
 GCTGCCCGCCGCCTGCTCCGCGCTGCGCGCCCGCGCCCGTCTACACCAACCACTGGGCAGTGCAAGTG  
 CTGGGCGGCCCGCGCGGGACCGCGTGGTGCGGCGCACGGCTACCTCAACTGGGCCAGATTGGAA  
 ACCTGGACGATTACTATCATTTTTACCACAGCAAGACCTCAAGAGATCGACCTTGAGCAGCAGGGGCC  
 CCACACCTTCTCAGAATGGACCACAGGTAATAATGGCTGCAACAACAGGAAGTGAAGCGCAGAGTCAAG  
 AGACAGGCGGAAGTGACTCTCTTTATTTCAATGATCCCATTGGTCTAACATGTGGTACATGCATTGTA  
 CTGATAAAGACAGTCGCTGTCGGTCAGAGATGAACGTCCAGGCGCGTGAAGCGTGGCTACACAGGAAA  
 GAATGTGGTCTGACCATCCTCGATGACGGCATAGAAAGGAATCACCCAGACCTGGCCCCAACTACGAT  
 TCCTATGCAAGCTACGATGTCATGAAATGATTATGACCCATCCCCGAGATATGACGCCAGCAACGAGA  
 ACAACATGGCACTCGCTGTGCGGGTGAAGTCGCTGCCTCGGCCAACTCCTACTGCATCGTGGGCAT  
 CGCATATAATGCAAAGATAGGAGGCATCCGGATGCTGGACGGCGATGTGACCGATGTGGTGGAGGCCAAG  
 TCTCTGGGCATCAGACCAACTACATTGACATTTACAGCGCCAGTTGGGGACCCGATGATGACGGAAAGA  
 CAGTAGATGGACCAGGCCGGCTGGCTAAACAAGCTTTGAGTATGGCATTAAAAAGGGTCGCAAGGTCT  
 GGGCTCCATTTTTGTTGGGCCCTCTGGGAATGGTGGGAGAGAAGGGGACCACTGCTCCTGTGATGGCTAC  
 ACCAACAGCATACACCATCTCCGTAGCAGCACCACTGAGAACGGCCACAACCCTGGTACCTGGAAG  
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 TGACCAACGCCTGTGCGGACCACTCAGACCAGCGTGTGGTGTACCTGGAGCATGTGGTTGCCGAATCTC  
 TATCTCACACCCACGCCGGGCGATCTCCAGATCCACCTGATTTCTCCCTCTGGAACCAAGTCTCAACTT  
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 GGGGAGAAAAGGCTGAAGGGGAGTGGACTCTGGAAGTGCAGGATATACCATCGCAGGTCCGAAACCCAGA  
 GAAACAAGGAAAGCTGAAAGAATGGAGCCTCATTTTATATGGCACCCGAGAGCACCCATATCGCACCTTC  
 AGCTCCCATCAGTCTCGCTCACGGATGCTGGAGCTCTCCGTCCCGGAGCAGGAGCCTCCCAAGGCTGCTG  
 GACAACCAACCCAGGCAGAGACTCCAGAAGACGAGGAAGAGTACACAGCTCCTTCCATCCAAGGCTCTCC  
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 CAGTGTGTAAGTGTGTCCACTCAGCCTGGGAACTCCAAGACAACAGGAAGTGTGTGAGCGAGTGCC  
 CCTTGGGCTACTTTGGGGATGCAGCTGCAAGACGCTGCCGTGCTGCCATAAAGGATGTGAGACGTGCAC  
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 ACTGGAATGTGTGCCGCTGCGGTGAGGGCTTCTACCCGAGGAGATGCCTGGCTTACCCACAAAAGT  
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 GGCTTACACAGCTGGAACTCCTGCATACCAACCACAGTGCAGCAATGCCGATGAGACCTTCTGCG  
 AGATGGTGAAGTCCAATCGGCTCTGCAACGGAAGCTTTCATCCAGTTTGGCTGCCGACCTGCCTCT  
 GGCTGGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG215393 representing NM\_011048  
 Red=Cloning site Green=Tags(s)

MPPRAPPAGPRPPPPRAADVARGAGAAGRHLPLALRPWRLLLLALPAACALPPPRPVYTNHWAVQV  
 LGPGAADRVAHAHGYLNLGQIGNLDDYYHFYHSKTFKRSTLSSRGPHTFLRMDPQVKWLQQQEVKRRVK  
 RQARSDSLYFNDFIWSNMWYMHCTDKNSRCRSEMNVQAAWKRGYTGKNVVVTILDGIERNHDPDLAPNYD  
 SYASYDVNGNDYDPSPRYDASNENKHGTRCAGEVAASANNYSYCVIYAIYNAKIGGIRMLDGDVTDVVEAK  
 SLGIRPNYIDIYSASWGPDDDGKTVDGPGRLAKQAFEYGIKKGRQLGSIFVWASNGGREGDHCSCDGY  
 TNSIYTIYSVSTTENGHKPWYLEECASLTATTYSAGAFYERKIVTTDLRQRCTDGTGTSVSAPMVAGII  
 ALALEANNQLTWRDVQHLLVKTSRPAHLKASDWKYNAGHKVSHLYGFLVDAEALVLEARKWTAVPSQH  
 VCVATADKRPRSIPIVQVLRRTALTNACADHSDQRVVYLEHVVVRISSHPRRGDLQIHLISPSGKSQL  
 LAKRLDFSNEGFTNWFMTVHCWGEKAEGEWTLVQDIPSVQRNPEKQGLKEWSLILYGTAEHPYRTF  
 SSHQSRSMLELSVPEQEPKAAQPPQAEPEDEEYTAPSIQGSPNTLQTSVCHPECGDKGCDGNAD  
 QCLNCVHFLGNSKTNKCVSECLGYFGDAAARRCRRCHKGCETCTGRSPAQCLSCRRGFYHHQETNTC  
 VTLCPAGLYADESQRLCLRCHPSCQKCVDEPEKCTVCKEGFSLARGSCIPDCEPGTYFDSELVKCGECHH  
 TCRTC VGPSREECIHCASFHFQDWKCVACGEGFYPEEMPGLPHKVCRRCEENLSCGSSRNC SRCKA  
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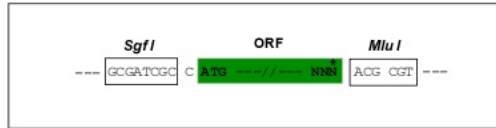
TRTRPLE - GFP Tag - V

**Restriction Sites:**

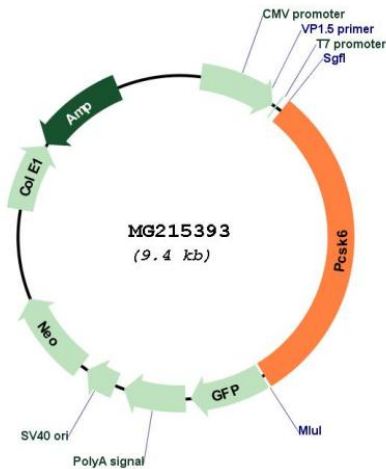
SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_011048

**ORF Size:** 2877 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:**
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\\_011048.1](#), [NP\\_035178.1](#)

**RefSeq Size:** 4298 bp

**RefSeq ORF:** 2880 bp

**Locus ID:** 18553

**Cytogenetics:** 7 35.36 cM