

Product datasheet for **MR215393**

Pcsk6 (NM_011048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pcsk6 (NM_011048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pcsk6
Synonyms:	b2b2830Clo; C86343; Pace4; SPC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215393 representing NM_011048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTCCGCGCGCCGCCAGCGCCCGGGCCCGCGCCCGGGCCCGCCGATGTCGCGCGGGCG
 CAGGGGCCGCGCCGGCACGGACTCCCGCCGCTCGCGCTGCGCCCTGGCGTTGGCTGCTTCTGCTCGC
 GCTGCCCGCCGCCTGCTCCGCGCTGCGCGCCCGCGCCCGTCTACACCAACCACTGGGCAGTGCAAGTG
 CTGGGCGGCCCGCGCGGGACCGCGTGGTGCGGCGCACGGCTACCTCAACTGGGCCAGATTGGAA
 ACCTGGACGATTACTATCATTTTTACCACAGCAAGACCTCAAGAGATCGACCTTGAGCAGCAGGGGCC
 CCACACCTTCTCAGAATGGACCACAGGTAATAATGGTGAACAACAGGAAGTGAAGCGCAGAGTCAAG
 AGACAGGCGGAAGTGACTCTTTATTTCAATGATCCCATTTGGTCTAACATGTGGTACATGCATTGTA
 CTGATAAAGACAGTCGCTGTCGGTACAGATGAACGTCCAGGCGCGTGAAGCGTGGCTACACAGGAAA
 GAATGTGGTCTGACCATCCTCGATGACGGCATAGAAAGGAATCACCCAGACCTGGCCCCAACTACGAT
 TCCTATGCAAGCTACGATGTCATGGAAATGATTATGACCCATCCCCGAGATATGACGCCAGCAACGAGA
 ACAACATGGCACTCGCTGTGCGGGTGAAGTGCCTCGGCCAACTCCTACTGCATCGTGGGCAT
 CGCATATAATGCAAAGATAGGAGGCATCCGGATGCTGGACGGCGATGTGACCGATGTGGTGGAGGCCAAG
 TCTCTGGGCATCAGACCAACTACATTGACATTTACAGCGCCAGTTGGGGACCCGATGATGACGGAAAGA
 CAGTAGATGGACCAGGCCGGCTGGCTAAACAAGCTTTGAGTATGGCATTAAAAAGGGTCCGCAAGGTCT
 GGGCTCCATTTTTGTTGGGCCCTCTGGGAATGGTGGGAGAGAAGGGGACCACTGCTCCTGTGATGGCTAC
 ACCAAGCATCTACACCATCTCCGTAGCAGCACCACTGAGAACGGCCACAACCCTGGTACCTGGAAG
 AATGCGCTTCCAGTTGGCTACCACTACAGCAGCGGGCCCTTCTATGAACGGAAGATGTCACCAAGAG
 TCTGCGTCAGCGCTGCACCGACGGCCACACTGGGACATCAGTCTCAGCCCCATGGTGGTATCATT
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 GGCCAGCTCATCTGAAGGCGAGCGACTGAAAAGTCAACGGAGCTGGGCATAAAGTTAGCCATCTCTATGG
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 GTATGCGTGGCCACCGCAGACAAAAGGCCAGGAGCATCCCCATAGTGCAGGTGTACGGACCACAGCCC
 TGACCAACGCCTGTGCGGACCACTCAGACCAGCGTGTGGTGTACCTGGAGCATGTGGTTGCCGAATCTC
 TATCTCACACCCACGCCGGGCGATCTCCAGATCCACCTGATTTCTCCCTCTGGAACCAAGTCTCAACTT
 TTGGCAAAGAGATTGCTGGATTTTTCCAATGAGGGTTCAAAAAGTGGGAATTCATGACCGTCCACTGCT
 GGGGAGAAAAGGCTGAAGGGGAGTGGACTCTGGAAGTGCAGGATATACCATCGCAGGTCCGAAACCCAGA
 GAAACAAGGAAAGCTGAAAGAATGGAGCCTCATTTTATATGGCACCCGAGAGCACCCATATCGCACCTTC
 AGCTCCCATCAGTCTCGCTCACGGATGCTGGAGCTCTCCGTCCCGGAGCAGGAGCCTCCCAAGGCTGCTG
 GACAACCAACCCAGGAGACTCCAGAAGACGAGGAAGAGTACACAGCTCCTTCCATCCAAGGCTCTCC
 TAATACTTTACAGACCAGTGTGTCCATCCCGAGTGTGGTGACAAAGGCTGTGATGGTCCCAATGCAGAC
 CAGTGTGAACTGTGTCCACTCAGCTGGGAACTCCAAGACAACAGGAAGTGTGTGAGCGAGTGCC
 CCTTGGGCTACTTTGGGGATGCAGCTGCAAGACGCTGCCGTGCTGCCATAAAGGATGTGAGACGTGCAC
 GGGCAGGAGCCCAGCACAGTGCCTGTCTTGTGCGCGTGGTCTATCACCAACAGGAGACGAACACGTGT
 GTGACCTCTGTCTGCCGACTTTATGCTGATGAAAGTCAAGAGACTCTGCCTCAGGTGCCACCCGAGCT
 GTCAGAAGTGCCTGGATGAACTGAGAAGTGAAGTGTGTGTAAGGAGGGATTACGCTGGCACGGGGCAG
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 GGCTTACACAGCTGGAACTCCTGCATACCAACCACAGTGCAGCAATGCCGATGAGACCTTCTGCG
 AGATGGTGAAGTCCAATCGGCTCTGCAACGGAAGCTTTCATCCAGTTTGTGCCGACCTGCCTCCT
 GGCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215393 representing NM_011048
 Red=Cloning site Green=Tags(s)

MPPRAPPAGPRPPPPRAADVARGAGAAGRHLPLALRPWRLLLLALPAACALPPRPVYTNHWAVQV
 LGPGAADRVAHAHGYLNLGQIGNLDDYYHFYHSKTFKRSTLSSRGPHTFLRMDPQVKWLQQQEVKRRVK
 RQARSDSLYFNDPIWSNMWYMHCTDKNSRCRSEMNVQAAWKRGYTGKNVVVTILDDGIERNHPDLAPNYD
 SYASYDVNGNDYDPSPRYDASNENKHGTRCAGEVAASANNSYCIVGIAYNKIGGIRMLDGDVTDVVEAK
 SLGIRPNYIDIYSASWGPDDDGKTVDGPRLAKQAFEYGIKKGRQGLGSIFVWASNGGGREGDHCSGDY
 TNSIYTIYSVSTTENGHKPWYLEECASLTATTYSSGAFYERKIVTTDLRQRCTDGTGTSVSAPMVAGII
 ALALEANNQLTWRDVQHLLVKTSRPAHLKASDWKYNAGHKVSHLYGFLVDAEALVLEARKWTAVPSQH
 VCVATADKRPRSIPIVQVLRRTTALTNACADHSDQRVVYLEHVVVRISSHPRRGDLQIHLISPSGTKSQL
 LAKRLLDLSNEGFTNWEFMTVHCWGEKAEGEWTLVQDIPSQVRNPEKQGLKEWSLILYGTAHPYRTF
 SSHQSRSRMLEL SVPEQEPPKAAGQPPQAETPEDEEEYTA PSI QGSPNTLQTSVCHPECGDKGCDGPNAD
 QCLNCVHFSLGNSKTRNKCVSECLGYFGDAAARRCRRCHKGCETCTGRSPAQCLSCRRGFYHHQETNTC
 VTLCPAGLYADESQRLCLRCHPSCQKCVDEPEKCTVCKEGFSLARGSCIPDCEPGTYFDSELVKCGECHH
 TRTCVGPSREECIHCAKSFHFQDWKCVACGEGFYPEEMPGLPHKVCRRCEENLSCGSSRNC SRCKA
 GFTQLGTSCITNHTCSNADETFCEMVKSNRLCERKLFIQFCRTCLLAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1586_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

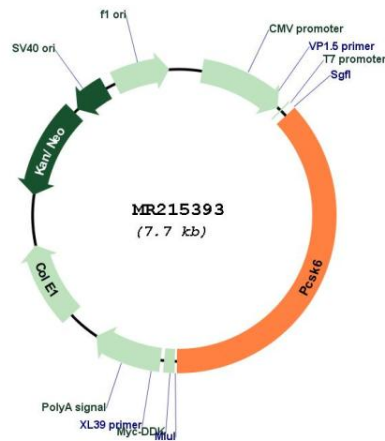
RefSeq ORF: 2880 bp

Locus ID: 18553

Cytogenetics: 7 35.36 cM

MW: 106.5 kDa

Product images:



Circular map for MR215393