OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC318698

PSRC2 (ZFC3H1) (NM_144982) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: PSRC2

Synonyms: CCDC131; CSRC2; PSRC2

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_144982, the custom clone sequence may differ by one or more nucleotides

ATGGCGACCGCAGATACTCCGGCCCCGGCCTCCAGTGGCCTCTCGCCGAAGGAAGAAGGG
GAGCTTGAAGATGGGGAAATCAGTGACGACGATAATAACAGCCAGATACGGAGTCGGAGC
AGCAGCAGCAGCAGCGGCGGCGGGCTGTTACCCTATCCGCGGCGAAGGCCTCCTCACTCG
GCCCGGGGCGGTGGATCTGGCGGAGGCGGTGGCTCTTCCTCGTCATCGTCCTCTTCTCAG
CAGCAGCTGAGGAATTTCTCACGCTCGCGGCACGCGTCTGAGCGGGGCCACCTCAGGGGA
CCCAGCAGCTACCGACCCAAAGAACCGTTCCGGTCTCATCCGCCTTCTGTACGGATGCCT
TCGAGCTCACTGTCCGAAAGCAGTCCCCGGCCGTCTTTCTGGGAGCGGAGCCACCTCGCC
TTGGACCGTTTCCGCTTTCGAGGCAGGCCTTACCGGGGTGGGAGTCGCTGGAGTCGGGGG
CGAGGAGTGGGTGAGCGAGGAGGCAAGCCGGGGTGCAGACCTCCTCTGGGAGGAGGAGCA
GGATCCGGGTTCAGCAGCAGTCAGAGCTGGCGAGAGCCCTCTCCACCTCGGAAGAGCTCC
AAAAGTTTTGGAAGGTCTCCATCAAGAAAACAAAATTATTCATCAAAAAATGAAAACTGT
GTGGAAGAAACTTTTGAAGATTTGCTTTTAAAGTATAAACAAATACAGTTGGAACTAGAA
TGCATCAATAAGGATGAAAAACTAGCATTGAGTAGCAAAGAAGAGAATGTGCAGGAAGAT
CCTAAAACATTGAACTTCGAGGACCAAACTAGCACTGATAATGTCAGTATTACAAAGGAT
TCAAGTAAAGAAGTAGCTCCTGAGGAGAAAACACAAGTCAAAACTTTTCAGGCATTTGAA
TTAAAACCACTCAGGCAAAAATTGACTTTACCAGGAGATAAGAACCGTTTGAAAAAAGTT
AAAGATGGAGCAAAACCACTTTCCCTGAAATCCGACACTACTGATTCTAGTCAAGGATTA
CAAGATAAAGAACAAAATTTAACAAGAAGAATTAGTACCTCAGATATTCTGTCTGAAAAG
AAACTTGGTGAAGATGAAGAGGAACTATCTGAATTACAGCTTCGCCTTTTGGCTCTTCAG
TCAGCCAGTAAAAAATGGCAACAAAAAGAACAGCAGGTGATGAAAGAAAGCAAAGAAAAG
TTGACTAAGACGAAAACTGTACAGCAAAAAGTTAAAACAAGTACAAAAACACATTCGGCC
AAAAAAGTTAGCACTACAGCTAAACAAGCATTGAGGAAGCAGCAAACAAAGGCATGGAAG
AAACTACAACAACAAAAAGAGCAGGAAAGACAGAAAGAAGAGGATCAGCGGAAACAAGCT
GAAGAAGAAGAGAGAAGGAAAAGAGAGGAAGAAATCAGAAAAATTCGAGATCTCTCAAAT
CAGGAAGAACAGTACAATCGATTCATGAAATTGGTTGGTGGCAAGAGGAGATCAAGAAGT
AAATCTTCAGATCCTGACCTGAGGCGATCCTTAGATAAGCAACCTACTGATAGTGGAGGA
GGCATTTATCAGTATGATAACTATGAAGAAGTTGCTATGGATACAGATAGTGAAACCAGT
TCTCCAGCTCCTTCACCAGTGCAACCGCCATTTTTCTCTGAATGTTCATTGGGGTATTTT
TCTCCAGCACCATCTCTTTCTTTGCCTCCACCACCTCAGGTTTCTTCTCTGCCACCTTTG
AGCCAGCCTTATGTGGAAGGCTTGTGTGTTTCTCTTGAACCTCTACCTCCTCTACCACCA
TTACCACCTCTCCCACCTGAAGATCCAGAACAGCCTCCAAAACCACCTTTTGCAGATGAG

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GAAGAGGAGGAAGAAATGCTGCTTCGAGAAGAACTACTTAAATCTCTAGCAAATAAAAGA
GCTTTTAAGCCAGAGGAAACATCCAGTAATAGTGACCCACCTTCACCTCCAGTTCTGAAC
AATTCACATCCTGTGCCAAGAAGCAATCTATCAATAGTCAGTATTAACACAGTGTCTCAG
CCTAGGATACAGAATCCAAAGTTTCACAGAGGACCCCGTCTTCCACGAACTGTGATCTCG
CTTCCAAAGCATAAATCAGTGGTTGTAACACTAAATGATTCAGATGATAGTGAATCTGAT
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GCAAGACGAACTGCTGAGCAAGCTTCAAAACCGAAAGTACCTCCAAAATCTGAAAAAGAA
AATGATCCTCTGCGAACACCGGAGGCTTTGCCTGAAGAAAAGAAGATTGAATATAGATTG
TTAAAGGAAGAGATTGCCAACCGTGAGAAACAGCGTTTGATTAAATCAGATCAGCTGAAG
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ATGGTTACTAAGCAGGTTACAGATGCAGAATCAAAACTGAAAAAACATAGGATTCTCTTG
ATGAAAGATGAATCTGTTTTAAAGAATTTAGTGCAACAAGAAGCTAAGAAGAAAGAATCT
GTTAGAAATGCTGAAGCAAAGATTACAAAACTTACAGAACAGCTTCAAGCAACTGAAAAA
ATTCTTAATGTTAACAGAATGTTTTTGAAGAAGCTTCAGGAACAAATTCACAGAGTTCAA
CAGCGTGTTACAATTAAGAAAGCTTTGACTCTAAAATATGGAGAAGAGCTTGCTCGGGCA
AAGGCAGTGGCCAGTAAAGAAATAGGAAAACGTAAACTGGAACAAGATCGCTTTGGGCCA
AACAAAATGATGAGACTGGACAGTTCTCCAGTATCAAGTCCAAGAAAGCATTCAGCAGAA
CTAATTGCTATGGAGAAAAGACGGTTACAAAAGCTAGAATATGAATATGCCCTGAAAATT
CAAAAATTAAAAGAAGCCCGTGCCCTTAAAGCAAAGGAACAACAAAATATCTCTCCAGTT
GTGGAAGAGGAACCCGAATTTTCTTTACCTCAACCCTCACTTCATGATCTGACACAAGAT
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GAGATTTCTGTAGATGTGGATTTTGTCACAGCACAAAGTAAAACAATGGAAGTGAAGCCA
TGTCCTTTTAGACCCTACCATAGTCCTCTTCTAGTTTTTAAGTCCTACAGATTTAGTCCA
TATTATCGAACCAAGGAAAAACTTCCCCTGAGCTCAGTATCATACAGTAATATGATTGAA
CCGGATCAGTGTTTCTGCCGTTTTGATTTAACAGGAACATGTAATGATGATGATTGTCAA
TGGCAGCATATACAAGACTATACACTTAGCCGAAAACAGTTATTCCAGGACATTCTGTCA
TATAATCTGTCTTTGATTGGTTGTGCAGAGACAAGTACTAATGAAGAAATTACTGCTTCA
GCAGAAAAATATGTTGAGAAACTTTTTGGAGTAAACAAAGATCGAATGTCAATGGACCAG
ATGGCTGTTCTCCTTGTTAGCAATATCAATGAAAGTAAAGGTCATACTCCTCCATTTACA
ACCTACAAAGATAAAAGAAAGTGGAAGCCAAAGTTTTGGAGAAAACCTATTTCAGATAAT
AGCTTCAGTAGTGATGAGGAACAGTCTACAGGACCAATTAAGTATGCTTTCCAGCCAGAG
AACCAAATAAATGTTCCAGCTCTGGATACAGTTGTCACTCCAGATGATGTCAGATACTTT
ACAAATGAGACTGATGACATCGCTAATTTAGAAGCAAGTGTGCTTGAAAATCCTTCTCAT
GTACAACTTTGGCTCAAGCTTGCGTACAAGTACTTGAATCAAAATGAGGGGGAGTGCTCA
GAATCCTTGGATTCTGCTTTAAATGTTCTGGCGCGAGCATTGGAAAATAACAAAGACAAT
CCAGAAATTTGGTGCCATTACCTCAGATTGTTCTCAAAAAGAGGAACCAAGGACGAGGTG
CAGGAAATGTGTGAAACAGCTGTTGAATATGCTCCAGATTATCAAAGCTTTTGGACTTTT
CTACACCTAGAAAGTACCTTTGAAGAAAAGGATTACGTATGTGAGAGAATGTTGGAGTTT
CTGATGGGAGCAGCCAAGCAGGAAACATCCAATATTTTGTCCTTTCAGCTTTTAGAGGCT
CTTTTGTTTAGAGTTCAGCTGCACATATTTACTGGAAGATGCCAAAGTGCACTGGCAATT
TTACAGAATGCATTGAAATCTGCTAATGATGGAATAGTAGCTGAATACCTTAAAACCAGT
GATCGATGTTTGGCATGGTTGGCCTACATACATCTTATTGAATTCAACATTCTCCCTTCA
AAATTTTATGATCCATCTAATGATAATCCTTCAAGAATTGTTAACACTGAATCATTTGTA
ATGCCATGGCAAGCTGTTCAAGATGTAAAGACTAATCCTGACATGTTGTTAGCAGTTTTT
GAAGATGCAGTGAAAGCTTGCACAGATGAGAGCCTTGCTGTTGAGGAAAGAATAGAGGCC
TGCCTTCCACTTTACACAAACATGATTGCTCTGCACCAACTCCTGGAGAGGTATGAGGCT
GCAATGGAGCTTTGTAAATCTTTATTGGAATCATGTCCTATTAACTGCCAGTTGCTGGAA
GCTCTTGTTGCATTATATTTGCAAACAAATCAGCATGACAAAGCCAGAGCAGTGTGGCTT
ACTGCATTTGAAAAAAATCCTCAGAATGCAGAGGTTTTTTATCATATGTGCAAATTCTTC
ATCTTACAGAATCGAGGCGATAATCTTCTTCCATTTTTGCGGAAATTTATTGCATCCTTC
TTTAAACCGGGGTTTGAGAAGTATAATAACTTGGATCTGTTTCGGTATCTCTTAAATATT
CCAGGACCAATTGACATTCCATCTCGTTTATGTAAAGGGAATTTTGATGATGATATGTTT

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AACCACCAAGTTCCTTATTTGTGGCTGATTTACTGCCTTTGTCATCCTCTTCAATCAAGT
ATTAAAGAAACAGTGGAGGCATATGAGGCAGCATTAGGGGTGGCTATGAGATGTGATATA
GTACAGAAGATATGGATGGATTATCTTGTCTTTGCAAATAATAGAGCTGCTGGATCCAGA
AACAAAGTTCAAGAATTCAAATTTTTTACTGATTTAGTGAATAGATGTTTGGTTACAGTC
CCTGCCCGATACCCCATTCCTTTTAGCAGTGCTGATTACTGGTCCAACTATGAATTTCAT
AATAGGGTTATTTTCTTTTATTTGAGCTGTGTTCCAAAGACCCAGCATTCCAAAACCTTG
GAACGGTTTTGTTCAGTTATGCCAGCTAATTCTGGACTTGCATTGAGGTTACTTCAACAT
GAATGGGAAGAAAGCAATGTTCAGATTCTGAAACTTCAAGCCAAGATGTTTACATATAAT
ATCCCAACATGCCTGGCCACCTGGAAAATAGCCATTGCTGCTGAGATTGTTCTAAAGGGA
CAAAGAGAGGTCCACCGTTTATATCAGAGAGCCTTACAGAAGTTACCTCTTTGTGCATCA
CTGTGGAAAGATCAACTCTTGTTTGAAGCATCAGAAGGAGGTAAAACTGATAACCTGAGA
AAACTAGTTTCCAAGTGCCAAGAGATTGGAGTCAGCCTAAATGAGCTCTTAAATTTAAAC
AGTAACAAAACAGAAAGCAAGAATCAC

Restriction Sites: Please inquire

ACCN: NM_144982

OTI Disclaimer: 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_144982.4, NP_659419.3

RefSeq Size: 7158 bp

RefSeq ORF: 5970 bp

Locus ID: 196441

UniProt ID: O60293

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Cytogenetics: 12q21.1

Gene Summary: Subunit of the trimeric poly(A) tail exosome targeting (PAXT) complex, a complex that directs a subset of long and polyadenylated poly(A) RNAs for exosomal degradation. The RNA exosome is fundamental for the degradation of RNA in eukaryotic nuclei. Substrate targeting is facilitated by its cofactor MTREX, which links to RNA-binding protein adapters. [UniProtKB/Swiss-Prot Function]

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