

Product datasheet for **MC227454**

Sapcd2 (NM_001290407) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sapcd2 (NM_001290407) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sapcd2
Synonyms: 2010317E24Rik; 6030458L21Rik; AL033337; ang
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227454 representing NM_001290407
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCCGTGGCAGCGATGGCCGAGCGTGGCCGCCTATCGCACGCTGCGCCGCTCCTAGTACAGAGGGGC
 TACCGCGAGCCTTCTCCAGAGCCTGCGCACCTCTTCGACATCTGGACGACCGCAACGCGGCTACGT
 GCACCTGCGGGAGATCGAGTCCCGCTGGCAAGGTGCAGACGCACGCGAGCTGCCGTGCGGCGTGTCTGAG
 GGCTGCGCCAGGTGGCCCCGGCCAATGGCTACCTGACCTTCGAGCGTTTCGTAGCGGGCTTGGCGACCT
 CGCTGTGAAAGCCGACGGCGGCCAGCGGGATCAGGCACGCGTGGCGCCCGGCCCTGGGACCAGTCTGTC
 CCTGCAGCAGCGCCTGATGTTCCGACCGGCCGATGAGCCGCGGACTGTCTGGAGAGAAAGCCTCTGCCT
 CTGAGTGCCTGCCCTGCTTCTGGTGGCCCCAGTGGCACCTCCCGGAACCTGAGCTGTTATGTGTCCCGG
 TGGAGGCGGCTCCTGCCACAGAGACCGAGCGGCCCTGAGCAAGGCGCTGGAGCAAATCCCCAGCGC
 GGATTTGGGTGCAGCAGCCTGTAAGACCCTGGGCAAGGGCACAGGTGAAGCCCGGAGGCTCCACGGGCC
 CGAGGCGAGCGTCAAGGCATACCATCACCAATGGTGTGGACTGCAGCCTGTTGAAGCAGATGAAGGAGT
 TAGACCAGGAACAGGAGGTGCTTCTGCAGGGCCTGGAGATGATGGCACGGGGCCGAGACTGGTACCAGCA
 GCAGCTGCAGCGTGTGCAGAACGTGAGCGCCGCTGAGCCAGAGCAGAGCTGCTGCAGACTTTGGGGCT
 GAAGGAAGCCCCGCCCTCTGGGGAGGTTGCTGCCAAAGTACAGGAGGTGGCCCGGTGCTGGGGGAGC
 TGTTGACTGCAGCCTGCTCTGGCAGAGCTCTGCCTTCGTCTTCTTAGGGCCCTGGGCCCTCCCTCACC
 CTCAACTCCAGTCTGGCAGCAACAGACCATCTCATGCTGAAAGAACAGAACCGGCTTCTCACTCAGGAG
 GTGACTGATAAGAGTGAAGCGCATCACGAGCTGGAGCAGGAGAAGTCTGCACTCATCAAGCAGCTGTTTG
 AGGCCGAGCGCTCAGCCAGCAGGATTCGGGACCTCTGGACTCCACTTTCATC**TAG**

AG**GCGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII



ACCN:	NM_001290407
Insert Size:	1176 bp
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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001290407.1</u> , <u>NP_001277336.1</u>
RefSeq Size:	3305 bp
RefSeq ORF:	1176 bp
Locus ID:	72080
UniProt ID:	<u>Q9D818</u>
Cytogenetics:	2 A3
Gene Summary:	<p>Plays a role in planar mitotic spindle orientation in retinal progenitor cells (RPCs) and promotes the production of symmetric terminal divisions (PubMed:26766442). Negatively regulates the mitotic apical cortex localization of GPSM2 (By similarity). Involved also in positive regulation of cell proliferation and tumor cell growth (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>