

Product datasheet for MC217883

2010317E24Rik (BC070477) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2010317E24Rik (BC070477) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2010317E24Rik
Synonyms:	ang, RP23-47P18.4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC070477 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGAGCGTGGCCGCTATCGCACGCTGCGCCGCTCCTAGTACAGAGGGGCTACCGGAGCCTTTC
TCCAGAGCCTGCGCACCTCTTCGACATCCTGGACGACCGCAACGCGGCTACGTGCACCTGCGGGAGAT
CGAGTCCCGCTGGCAAGGTGCAGACGCACGCGAGCTGCCGTGCGGCGTGCTCGAGGGCCTGCGCCAGGTG
GCCCCGGCCAATGGCTACCTGACCTTCGAGCGTTTCGTAGCGGGCTTGCACCTCGCTGCTGAAAGCCG
ACGGCGGCCAGCGGGATCAGGCACGCGTGCAGGCCCCGGCCTGGGACCAGTTCCTCGCAGCAGCGCCT
GATGTTCCGACCGGCCGATGAGCCCGGACTGTCTGGAGAGAAAGCCTCTGCCTCTGAGTGCCTGCCCT
GCTTCTGGTGGCCCCAGTGGCACCTCCCGGAACCTGAGCTGTTATGTGTCCCGGTGGAGGCGCGTCTCT
GCCCCACAGAGACCGAGCGGCCCTGAGCAAGGCGCTGGAGCAAATCCCCAGCGCGGATTTGGGTGCAGC
AGCCTGTAAGACCCTGGGCAAGGGCACAGGTGAAGCCCGCAGGCTCCACGGGCCGAGGCGAGCGTCA
AGGCATACCATCACCAATGGTGTGGACTGCAGCCTGTTGAAGCAGATGAAGGAGTTAGACCAGGAACAGG
AGGTGCTTTCGAGGGCCTGGAGATGATGGCACGGGGCCGAGACTGGTACCAGCAGCAGCTGCAGCGTGT
GCAGGAACGTGAGCGCCGCTGAGCCAGAGCAGAGCTGCTGCAGACTTTGGGGCTGAAGGAAGCCCCCGC
CCTCTGGGAGGTTGCTGCCAAAGTACAGGAGGTGGCCCGTGCCTGGGGAGCTGTTGACTGCAGCCT
GCTCTGGCAGAGTGAAGTCTCTGGAGGCTGCCTGGCATCCCTTGTCTTGTCTGGATGCTATGCCAGGA
AAGGTCTGGTCACTGTGTACTTCCACAGGCTCTGCCTTCGTCCTTTAGGGCCCTGGGCCCTCCCTC
ACCCTCAACTCCAGTCTGGCAGCAACAGACCATCCTCATGCTGAAAGAACAGAACCAGGCTTCTCACTCAG
GTGAGGTGTGGGAAGATGGGCTGGGGCTGGAGGCCAGCAAACCCTGACCGCTGCCTGCCTGCTCGCC
TGCCAGGAGGTGACTGATAAGAGTGAAGCATCACGAGCTGGAGCAGGAGAAGTCTGCACTCATCAAG
CAGCTGTTTGAAGCCGAGCGCTCAGCCAGCAGGATTCGGGACCTCTGGACTCCACTTTCATCTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATA
TCCTGGATTACAAGGATGACGACGATAAGGTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	BC070477
Insert Size:	1326 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).
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>BC070477</u> , <u>AAH70477</u>
RefSeq Size:	1779 bp
RefSeq ORF:	1325 bp
Locus ID:	72080
Cytogenetics:	2 A3
Gene Summary:	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]