

Product datasheet for MC200196

Cyth2 (NM_011181) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyth2 (NM_011181) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyth2
Synonyms: ARNO; CLM2; Pscd2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004662 sequence for NM_011181
 GCGGCGGTGGCTCCTGGGGCGTTTGAGCGGGCTCACTCGAGCCCGGGCCGACGCGGACGCAGGCCAG
 CCGGCGGAACCGCCCGGACTCCCCGGGCTTCTAGCCGCCATGGAGGACGGTGTCTACGAGCCCC
 AGACTTGA CTCCAGAGGAGCGCATGGAGTTGGAGAACATCCGGCGCGCAAGCAGGAGCTGCTGGTGGAG
 ATCCAGCGCTGCGAGAAGAGCTAAGTGAAGCTATGAGCGAGGTGGAGGGTCTGGAGGCCAATGAGGGCA
 GTAAGACCTTGCAGCGGAACCGGAAGATGGCAATGGGCAGGAAGAAATCAACATGGACCCAAAAAGGG
 GATCCAATTCTGGTGGAGCATGAACCTTGCAGAACACGCTGAGGAAATGGCCGCTTCTGTACAAG
 GGCGAGGGGCTGAACAAGACAGCCATTGGGGACTACCTAGGGGAAAGGGAAGAGCTGAACCTGTCTGTGC
 TCCATGCTTTTGGATCTCCATGAGTTCACCGACCTCAACCTGGTGCAGGCCCTCCGGCAATTCCTATG
 GAGCTTTCGCTCCCTGGAGAGGCTCAGAAAATGATCGAATGATGGAGGCTTTGCCAGAGATACTGC
 TTATGCAACCCTGGGGTCTTCCAGTCTACAGACACCTGCTACGTGTTGCTCTTGGCGTGATCATGCTGA
 ACCAGCCTTCAATCCCAATGTGAGGACAAGCCGGGCTGGAGCGCTTGTGGCCATGAACCGGGG
 CATCAACGAGGGTGGGATCTGCCTGAGGATCTTCTCAGGAACCTCTACGACAGCATCCGGAACGAGCCC
 TTCAAAATCCCAGAGGATGATGGGAATGATCTCACCCACACCTTCTTCAACCCAGACCGAGAGGGCTGGC
 TCCTAAAGCTGGGGGGCCGGGTGAAGACTTGAAGCGGCGCTGGTTATCCTTACAGACAACCTGCCTCTA
 CTACTTTGAATACACTACGGACAAGGAGCCCGAGGGATTATCCCCTAGAGAACCTGAGCATCCGGGAG
 GTGGACGATCCTCGGAAGCCGAAGTCTTTGAGCTTTACATCCCAACAATAAGGGACAGCTCATCAAAG
 CCTGCAAAACAGAGGCTGACGGCCGGTGTGGAGGGGAACCACATGGTGTACCGAATCTCAGCACCCAC
 CCAGGAGGAGAAAGATGAGTGGATCAAATCCATCCAGGCTGCTGTAAGTGTGGACCCCTTCTATGAGATG
 TTGGCAGCAAGAAAGAAGCGAATTTCTGTGAAGAAGAAGCAAGAACAACCTGACCCCTGTCCCAACTC
 CATTATTTATTTGGAGCTGCCCGCCTGGGTGGCAGGACCCCTGGGCCCTGGGGCTGTGGATCCTGGTT
 CCCCATTTGAAAATCACCACTCTAGCTCCTGACTCCTATTTGTAATTAACATGTTGTAATCTTATT
 AATTATTTAATCCCTTGCAGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011181



[View online »](#)

Insert Size:	1200 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:	BC004662 , AAH04662
RefSeq Size:	1505 bp
RefSeq ORF:	1200 bp
Locus ID:	19158
UniProt ID:	P63034
Cytogenetics:	7 B3
Gene Summary:	<p>Acts as a guanine-nucleotide exchange factor (GEF). Promotes guanine-nucleotide exchange on ARF1, ARF3 and ARF6. Activates ARF factors through replacement of GDP with GTP (PubMed:18042453). The cell membrane form, in association with ARL4 proteins, recruits ARF6 to the plasma membrane (By similarity). Involved in neurite growth (PubMed:25326380). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>