

Product datasheet for **MC202343**

Cyth1 (NM_011180) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyth1 (NM_011180) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyth1
Synonyms:	CLM1; CTH-1; CYTIP; Pscd1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC057974 sequence for NM_011180
 GCCGGTCGCCAGCACCATGGAGGACGATGACAGCTATGTCCCCAGTGACCTGACTGCAGAAGAGCGTCAA
 GAACTGGAGAACATCCGGCGGAGGAAGCAGGAGCTGCTGGCTGACATCCAGAGGCATAAGGAAGAGATAG
 CAGAAGTTGCTAATGAAATTGAAAGCCTGGGATCCACAGAGGAAAGGAAAAACATGCAGAGGAACAAACA
 GGTAGCCATGGGCAGAAAGAAATTTAACATGGATCCTAAAAAGGGGATCCAGTTCCTAATCGAGAATGGC
 CTGCTGAAGAACACTTGTGAGGACATCGCCAGTTCCTGTATAAAGGGGAGGGGCTCAACAAGACAGCCA
 TCGGCGACTACCTTGGGAGAGGGATGAGTTCAGCATCCAGGTCCTGCATGCGTTTGTGGAACGACAGCA
 GTTACCAGCCTGAACCTCGTCCAGGCCTTGGCGCAGTTCCTGTGGAGCTTCCGGCTCCCTGGAGAGGCC
 CAGAAGATTGACCGGATGATGGAGGCCCTTGGCCAGCGGTAAGTGTGCAATACTGGGGTGTTCAGT
 CTACAGACACCTGCTATGCTCCTGTCTTCGCAATCATAATGCTGAACACCAGCCTACACAACCCCAATGT
 CAAAGACAAGCCTACGGTGGAGAGATTCATCGCCATGAACCGAGGCATCAACGACGGAGGAGACCTGCCG
 GAGGAGCTGCTCCGGAATCTCTATGAGAGCATCAAAAACGAGCCCTTTAAATCCCCGAAGATGATGGGA
 ATGACCTCACACACACTTCTTCAATCCAGACCGAGAGGGCTGGTGTCAAGCTCGGTGGCAGGGTAAA
 GACCTGGAAGAGGCGCTGGTTCATTCTGACTGACAACGCTTTACTACTTTGAATACACCACGGACAAA
 GAGCCCCGCGGGATTATCCCCCTGGAGAACCTGAGTATCCGAGAAGTGGAGGACTCCAAAAGCCGAAC
 GCTTTGAGCTTTATATCCCTGACAATAAAGACCAGGTGATTAAGCCCTGTAAAGACAGAGGCGGACGGCG
 AGTGGTGAAGGGAACCACTGTGACCGCATCTCAGCCCAACTCCGGAAGAGAAGGAAGACTGGATC
 AAATGCATCAAGGCTGCCATCAGCAGAGACCCTTCTACGAGATGCTTGCAGCACGGAAAAAGAGGTCT
 CCTCCACAAGAGACTGAGGGGGCACCAGGGCATGGCCAGCCCATGAGGCTGTGGCCCTTTCTCCTGC
 CTCCCCTGAGGGCGCTGTGGAGCAAGCAGAGGAGAGCAGAGGGCTTCTCTGCCAGTTCCTGCCGTTCCG
 CTCCTAGAGACTTGCTTCAGCTTTTGCAGTTTTCTAAGTGGGAGAAGGGTGGGCGCGAGGGATAGGCTG
 GAGACTGCGGCTGCCCTCATGGCTCTGGAGTCGCTCTCAGAGCCAGCAGCTGCCAGCAGCTGGTTCACAG
 CCTCAGCTCAGCAGGGCTGAGGCACCACAGGGAGCTCGCTTTTACCTCTCAGTGTTCCTGGCCAAGGGC
 CTTGCGCTCTGCTCCGAGAATGCCGTGAAGGATGACTCTGTGTACTAAGGAGAGAGGGGAAAGGAAGA
 GAAGCCACGCACTATAAAGATTTATTTTTGTTTTTTTAAAGCAAAAGTGAACGTAGCACTGTACTCTGC
 CCTCCTGTGCCCTGCTTCCCCTAAAAAGGGGGCCCTGGGGCTGCGGGCACCCAGGGGCTGCGGGCACT
 CCAGGGGCGCTGCCTCATGACTGTGTGGGAAGACGGGCAGAAGCAGGACTGCTGGCAGGGCCTAGCAG
 ACACAGGAGGCCCTCAGGGCCCCAGCAGGGCAGCAGGCAGGCAGTATGGCAGCTCCCACCCAGTGCCTGG
 GGGACAGAGTGAAGGTGGTTAATCCCTTGCTGGCCCTCAGTGCCAGGCCACTGCTCTTAAAGTGGAA
 AGTCTGCATTTTCTAATAACCAAAACTGTGAGGAGCTCACCCATGGTGTGGTGGCGACTGTTTCATA
 GCTGGTTTTTCTTCTCCTCCCCAAGAGCTCCACTCCTCGTTCTAGAGGAAGGAGCAGGTCTTACCTGAT
 CCCTTGGGGCTCAGCCTTTTCTGCCTAAAAGCCGCCCTATTCTGGACTATTCTGGTCACTCTGTG
 GTAGCCTCCAGGAGCAGGGCCCTTCTCAGCAGGTTGCAGTGCAGTCAAGCAAGGTAAGGTGGCCTTTT
 TGTCCCCTGCCCTCATGGCATGGCATAACCACAGCACACATGTGAGTGAACCCCTGGCCTCCTAAGTCACT
 GAGAAGGGAGCCATGAAACGCAGCATCTCCTGCCGTTCTCTCAGGGACTCTCAAGGGCAGCTCCTGTTCC
 TTGGCCAGGGCTAGCATGCCAGTCTAGGCAGAGCAGGTGGCAGGGGTGCTTGGCACACTCCTCCACGT
 GGCCAAGGCCCTGGTGGCAGAATGCTGCCTCCAGGCAGGTGGAGGAGCCATGGGTCCCCGCTGGGCTGTG
 TGAGCTCAGCCTCTGTATCTCAGAAGGAGGTCAACATCTTGAAATAGCTTTCAGAGAAGGGTGGGT
 GTAGGGGGCGGCACTCGCCCTCCTGGGATACAGCAGGATCCGGCCTCAAGAGGCTTCAGGTGCTTGAC
 ACTCGAGTGTGAAGGTGACAGTGAAGGTCAGGTCAGGCTGGAAACCTGAGCCTCCTGCCGAGAACC
 AGTCAATGCCTGCCAGGTTGTGTGGGAGTCAAGCAAGTGCAGAGCCCTCCCTTACACCGGTTCTCAC
 AGGTGTGCTGGCAGGCCAGCACCTGGCTCAGTGTGAGTCTATTTATCAGAGGTGAAATAATCCACA
 CATAGTTTTTCTCTTTAGATTATTTGTATTTGTTTAAAAAATATTTGTCAAATAACAAAGAAATGAC
 TGAAACTGTGGACAGGGTTTTTAAAAAATATTATTATTATTATTGTTTTGTTTTGCTTGTAAACT
 AGCTCAAAGAACTGCAGCAATAAACTCCAAATCTGCCACATCAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_011180
Insert Size: 1194 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:	BC057974 , AAH57974
RefSeq Size:	3070 bp
RefSeq ORF:	1194 bp
Locus ID:	19157
UniProt ID:	Q9QX11
Cytogenetics:	11 E2
Gene Summary:	Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6 (PubMed:18042453, PubMed:20080746). Promotes the activation of ARF factors through replacement of GDP with GTP (PubMed:18042453). Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity (PubMed:20080746, PubMed:29420262).[UniProtKB/Swiss-Prot Function]