

Product datasheet for MC209243

Cyth3 (NM_011182) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyth3 (NM_011182) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cyth3
Synonyms: A1648983; ARNO3; CLM3; Grp1; Pscd3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209243 representing NM_011182
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGAAGGCGGTGGCGGTGAGGGCGGCAGCGTGCCTGAAGACCTGTCATTAGAAGAGCGAGAAGAAC
 TTTTGGACATTCGTAGAAGAAAAAGAACTTATTGATGACATTGAGAGGCTGAAATATGAAATTGCAGA
 AGTGATGACGGAGATTGACAACCTGACTTCAGTGGAGGAGAGCAAACTACTCAGAGGAACAAGCAAATA
 GCCATGGGAAGGAAGAAATCAACATGGACCCAAAAAGGCATTCAAGTTCTAATTGAGAACGACCTGC
 TGACAGAGCTCCCCAGAGGATGTCGCCAGTTTCTGTACAAGGAGAGGGCCTGAACAAGACCGTCATCGG
 AGACTACCTGGGTGAGAGGGATGACTTTAATATCAAAGTTCTTCAGGCTTTTGTGAGCTGCATGAGTTT
 GCTGATCTCAACCTTGTCCAGGCCTTAAGGCAGTTCCTATGGAGCTTCAGACTTCTGGAGAGGCACAGA
 AGATCGACCGCATGATGGAGGCCTTTGCATCCCGATACTGCCTGTGCAACCCTGGGGTCTCCAGTCCAC
 AGATACATGCTACGTGCTCTCCTTTGCCATCATCATGCTCAACACCAGCTTGACAACCACAACGTGCGC
 GACAAGCCACCCTGAGCGCTTCATCACCATGAACCGAGGCATCAACGAGGGTGGGGACCTTCTGAGG
 AGCTGCTGAGGAACCTTGTATGAAAGTCAAGAATGAGCCGTTTAAGATCCAGAAGACGACGGAATGA
 CCTGACACACAGTTCTTCAACCCAGACCGAGAAGGCTGGCTGCTGAAGCTGGGGGTCTGTGTGAAGACC
 TGGAAACGGCGCTGGTTCATCCTCACAGATAACTGCCTCTACTACTTTGAGTACACCACGGACAAGGAGC
 CCAGGGGCATCATCCCCCTGGAGAACCTCAGCATCAGGGAGGTGGAGACCCCGGAAGCCGAACTGCTT
 TGAGCTGTATAACCCAGTCACAAAGTCAAGTCAAGGCCTGCAAGACGGAGGCCGATGGCCGTGTG
 GTGGAGGGCAACCAGTTGTGTACCGATCTCTGCCCCAGCCCGGAGGAAAAGGAGGAGTGGATGAAGT
 CCATCAAAGCAAGCATCAGTAGGACCCGTTCTATGACATGTTGGCCACGAGGAAAAGGAGGATTGCCAA
 TAAGAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_011182
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:	NM_011182.4 , NP_035312.3
RefSeq Size:	3749 bp
RefSeq ORF:	1200 bp
Locus ID:	19159
UniProt ID:	O08967
Cytogenetics:	5 82.36 cM
Gene Summary:	Promotes guanine-nucleotide exchange on ARF1. Promotes the activation of ARF factors through replacement of GDP with GTP (PubMed:18042453). Play a role in the epithelial polarization (PubMed:20080746).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).