OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222512

Cyth1 (NM_011180) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyth1 (NM_011180) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyth1
Synonyms:	CLM1; CTH-1; CYTIP; Pscd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR222512 representing NM_011180
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGACGATGACAGCTATGTCCCCAGTGACCTGACTGCAGAAGAGCGTCAAGAACTGGAGAACATCC
GGCGGAGGAAGCAGGAGCTGCTGGCTGACATCCAGAGGCTAAAGGAAGAGATAGCAGAAGTTGCTAATGA
AATTGAAAGCCTGGGATCCACAGAGGAAAGGAAAAACATGCAGAGGAACAAACAGGTAGCCATGGGCAGA
AAGAAATTTAACATGGATCCTAAAAAGGGGATCCAGTTCTTAATCGAGAATGGCCTGCTGAAGAACACTT
GTGAGGACATCGCCCAGTTCCTGTATAAAGGGGAGGGGCTCAACAAGACAGCCATCGGCGACTACCTTGG
GGAGAGGGATGAGTTCAGCATCCAGGTCCTGCATGCGTTTGTGGAACTGCACGAGTTCACCGACCTGAAC
CTCGTCCAGGCCTTGCGGCAGTTCCTGTGGAGCTTCCGGCTCCCTGGAGAGGCCCAGAAGATTGACCGGA
TGATGGAGGCCTTTGCCCAGCGGTACTGTCAGTGCAATACTGGGGTGTTCCAGTCTACAGACACCTGCTA
TGTCCTGTCCTTCGCAATCATAATGCTGAACACCAGCCTACACAACCCCAATGTCAAAGACAAGCCTACG
GTGGAGAGATTCATCGCCATGAACCGAGGCATCAACGACGGAGGAGACCTGCCGGAGGAGCTGCTCCGGA
ATCTCTATGAGAGCATCAAAAACGAGCCCTTTAAAATCCCCGAAGATGATGGGAATGACCTCACACACAC
TTTCTTCAATCCAGACCGAGAGGGCTGGCTGCTCAAGCTCGGTGGCAGGGTAAAGACCTGGAAGAGGCGC
TGGTTCATTCTGACTGACAACTGCCTTTACTACTTTGAATACACCACGGACAAAGAGCCCCGCGGGATTA
TCCCCCTGGAGAACCTGAGTATCCGAGAAGTGGAGGACTCCAAAAAGCCGAACTGCTTTGAGCTTTATAT
CCCTGACAATAAAGACCAGGTGATTAAGGCCTGTAAGACAGAGGCGGACGGGCGAGTGGTGGAAGGGAAC
CACACTGTGTACCGCATCTCAGCCCCAACTCCGGAAGAGAAGGAAGACTGGATCAAATGCATCAAGGCTG
CCATCAGCAGAGACCCTTTCTACGAGATGCTTGCAGCACGGAAAAAGAAGGTCTCCTCCACAAAGAGACA
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

Protein Sequence:

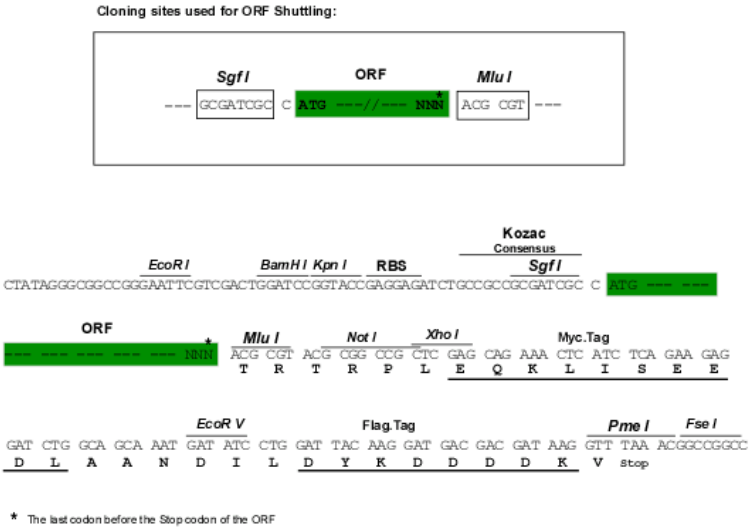
>MR222512 representing NM_011180
Red=Cloning site Green=Tags(s)

MEDDDSYVPSDLTAEERQELENIRRRKQELLADIQRLKEEIAEVANEIESLGSTEERKNMQRNKQVAMGR
KKFNMDPKKGIQFLIENGLLKNTCEDIAQFLYKGEGLNKTAIGDYLGERDEFSIQVLHAFVELHEFTDLN
LVQALRQFLWSFRLPGEAQKIDRMMEAFAQRYCQCNTGVFQSTDTCYVLSFAIIMLNTSLHNPNVKDKPT
VERFIAMNRGINDGGDLPEELLRNLYESIKNEPFKIPEDDGNDLTHTFFNPDREGWLLKLGGRVKTWKRR
WFILTDNCLYYFEYTTDKEPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKACKTEADGRVVEGN
HTVYRISAPTPEEKEDWIKCIKAAISRDPFYEMLAARKKKVSSTKRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011180

ORF Size: 1191 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Reconstitution Method: 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_011180.1, NM_011180.2, NM_011180.3, NP_035310.2

RefSeq Size: 3179 bp

RefSeq ORF: 1197 bp

Locus ID: 19157

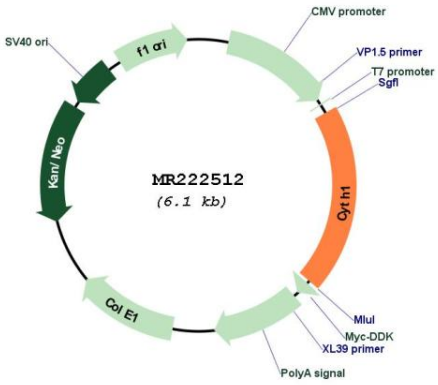
UniProt ID: Q9QX11

Cytogenetics: 11 E2

MW: 46.7 kDa

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]

Product images:



Circular map for MR222512

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US