

Product datasheet for **RR212147**

Cyth1 (NM_053910) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyth1 (NM_053910) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyth1
Synonyms:	Pscd1; Sec7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212147 representing NM_053910 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGGACGATGACAGCTATGTCCCCAGTGACCTGACTGCAGAGGAGCGTCAAGAAGTGGAGAATCC
GGCGGAGGAAGCAGGAGCTGCTGGCTGACATCCAGAGGCTGAAGGAAGAGATAGCAGAGGTTGCTAATGA
AATTGAAAGCCTGGGATCCACAGAGGAACGAAAAACATGCAGAGGAACAACAGGTAGCCATGGGCAGA
AAGAAATTC AACATGGATCCTAAGAAGGGGATCCAGTTCTTAATCGAGAATGGCCTGCTGAAAAACTT
GTGAGGACATTGCCAGTTCCTGTATAAAGGGGAGGGCTCAACAAAACAGCCATCGGTGACTACCTTGG
GGAGAGAGATGAGTTCAGCATCCAGTCTTGCATGCATTTGTGGAGCTGCACGAGTTCACCGACCTGAAC
CTCGTCCAGGCCTTGCAGCAGTTCCTGTGGAGCTTCCGGCTCCCTGGAGAGGCCAGAAGATTGACCGGA
TGATGGAGGCCTTGCAGCAGGCTACTGTCAGTGAATACTGGGGTGTCCAGTCTACAGACACTTGCTA
TGTCCCTGCTTTGCAATCATCATGCTGAACACCAGCCTACACAACCCCAACGTCAAAGACAAGCCTACG
GTGGAGAGGTTTCATCGCCATGAACCGAGGCATCAATGACGGAGGAGACCTGCCCGAGGAGCTGCTGCGGA
ATCTCTATGAGAGCATCAAAAACGAACCCCTTTAAAATCCAGAAGATGACGGCAATGATCTCACTCACAC
TTTCTTCAATCCAGACCGAGAGGGCTGGCTACTAAAGCTCGGAGGTGGCAGGGTAAAGACTTGGAAGAGG
CGCTGTTTCACTTCTGACTGACAACCTGCCTTTACTACTTTGAATACACCACGGACAAGAGCCCGCGGGA
TCATCCCCCTGGAGAACCTGAGTATCCGAGAGGTGGAAGACTCCAAGAAGCCGAAGTCTTTGAGCTTTA
TATCCCTGACAATAAAGACCAGGTGATTAAGGCCTGCAAGACAGAGGCTGACGGACGAGTGGTGAAGGG
AACCACACTGTGTACCGCATCTCGGCCCCACTCCTGAGGAGAAGGAAGACTGGATCAAGTGCATCAAAG
CCGCCATCAGCAGAGACCCGTTCTACGAGATGCTGCAGCACGGAAAAAGAAGTCTCCTCCACAAAGAG
GCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212147 representing NM_053910
Red=Cloning site Green=Tags(s)

MEDDDSYVPSDLTAEERQELNIRRRKQELLADIQRLKEEIAEVANEIESLGSTEERKNMQRNKQVAMGR
 KKFNMDPKKGIFLIENGLLKNTCEDIAQFLYKGEGLNKAIGDYLGERDEFSIQVLHAFVELHEFTDLN
 LVQALRQFLWSFRLPGEAQKIDRMMEAFQRYCQCNTGVFQSTDTCYVLSFAIIMLNTSLHNPVNDKPT
 VERFIAMNRGINDGGDLPEELLRNLYESIKNEPFKIPEDDGNDLTHTFNPDREGWLLKLGGRVKTWKR
 RWFILTDNCLYFYEYTTDKEPRGIIPLENLSIREVEDSKKPNCFELYIPDNKDQVIKACKTEADGRVVEG
 NHTVYRISAPTPEEKEDWIKCIKAAISRDPFYEMLAARKKKVSSTKRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

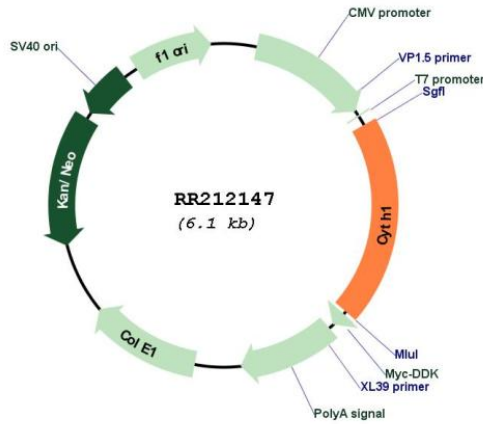
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_053910

ORF Size:	1194 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).
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_053910.1 , NP_446362.1
RefSeq Size:	1399 bp
RefSeq ORF:	1197 bp
Locus ID:	116691
UniProt ID:	P97694
Cytogenetics:	10q32.2-q32.3
MW:	46.3 kDa
Gene Summary:	may play a role in transport from the Golgi apparatus to secretory vesicles [RGD, Feb 2006]