

## Product datasheet for RN213576

### Cyth2 (NM\_053911) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyth2 (NM_053911) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyth2
Synonyms:	Arno; Pscd2; Sec7; Sec7B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213576 representing NM_053911 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGGACGGTGTCTACGAGCCCCAGACTTGACTCCAGAGGAGCGCATGGAGCTGGAGAACATCCGTC  
GGCGAAAGCAGGAGCTGCTGGTGGAGATCCAGCGCTCCGGGAAGAGCTAAGTGAAGCTATGAGCGAAGT  
GGAGGGTCTGGAGCCAATGAGGGCAGTAAGACCTTGCAGCGGAACCGGAAGATGGCAATGGGCCGGAAG  
AAATTC AACATGGACCCAAAAAGGGGATCCAATTCTTGGTGGAGCATGAACTTCTACAGAACACACCTG  
AGGAAATTGCCCGCTTCCTGTACAAGGGCGAGGGGCTGAACAAGCAGCCATTGGGGACTACCTAGGGGA  
AAGGGAAGAGCTGAACCTGTCTGTCTCCATGCTTTTGTGGATCTACATGAGTTCACCGACCTCAATCTG  
GTTCAGGCCCTCCGGCAATTCCTGTGGAGCTTTCGCCTCCCTGGAGAGGCTCAGAAAAATTGACCGAATGA  
TGGAGGCCCTTGGCCAGAGATATTGCTTATGTAATCCCGGGTCTTCCAGTCCACAGACACCTGCTACGT  
GTTGTCTTCGCTGTGATCATGCTGAACACCAGCCTTCACAATCCAATGTCAGGGACAAGCCGGGCCTG  
GAGCGCTTGTGGCCATGAACCGAGGCATCAATGAGGGTGGGACCTGCCTGAGGACCTTCTCAGGAACC  
TCTATGACAGCATCCGAAACGAGCCCTTCAAAATCCCTGAGGATGATGGGAATGATCTCACCCACACCTT  
CTTCAACCCAGACCGAGAGGGCTGGCTCCTAAAGCTGGGAGGGGGCCGGTGAAGACTTGAAGCGTCCG  
TGGTTCATCCTCACAGACAACCTGCTCTACTACTTTGAGTACACTACGGACAAGGAGCCAGAGGGATCA  
TCCCCCTAGAGAACCTGAGCATTGCTGAGGTGGATGATCCTCGGAAGCCGAACTGCTTTGAGCTTTACAT  
TCCCAACAATAAGGGACAGCTCATCAAAGCCTGCAAAACGGAGGCTGATGGTCCGGTGTAGAGGGGAAC  
CACATGGTGTACCGAATCTCAGCACCCACAGGAGGAGAAAGACGAGTGGATCAAGTCCATCCAGGCTG  
CTGTAAGCGTGGACCCCTTCTACGAGATGTTGGCAGCAAGAAAGAAGCGGATTTCTGTGAAGAAGAAGCA  
AGAACAACCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_053911
<b>Insert Size:</b>	1203 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053911.2</a> , <a href="#">NP_446363.1</a>
<b>RefSeq Size:</b>	1574 bp
<b>RefSeq ORF:</b>	1203 bp
<b>Locus ID:</b>	116692
<b>UniProt ID:</b>	<a href="#">P63035</a>
<b>Cytogenetics:</b>	1q22
<b>Gene Summary:</b>	may play a role in transport from the Golgi apparatus to secretory vesicles [RGD, Feb 2006]