

Product datasheet for **RN202523**

Scyl1 (NM_001011938) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scyl1 (NM_001011938) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Scyl1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202523 representing NM_001011938
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGTTCTTTGCCCGGACCCGGTCCGGGACTTCCCGTTCGAGCTGAACCCTGAGCCCCCGAAGGCG
 GACCGCCCGGCCCTGGGTCTGCACCGAGGCCGCAAAAAGGCCACAGGCAGTCCGGTGTCCATCTTCGT
 GTACGATGTGAAACCCGAGCCGAAGAGCAGACCCAGGTGGCCAAAGCTGCCTTCAAACGCCTCAAACCT
 CTCGACACCCCAACATCCTGGCTATATCGATGGGTTGGAGACAGAAAAGTGCCTCCACATCGTGACAG
 AGGCTGTGACCCACTGGGAACATACCTCAAGGCACGAGCAGAAGCAGGTGGTCTGAAGGAGCAGGAGCT
 GTCATGGGGTTACACCAGATCGTGAAGCCCTCAGTTCCTGGTCAACGACTGCAACCTCATCCACAAC
 AATGTCTGCATGGCTGCTGTGTTGTGGACAAGGCTGGCGAGTGGAAACTTGGGGTCTGGACTACATGT
 ACTCAGCACAGGGCAACGGTGGGGGACCACCAACAAGGGGATCCCTGAGCTTGAGCAGTATGATCTCC
 GGAGTTGGCTGATAGCAGCAGCAGAGCAGTCAAAGAGAAGTGGTCAAGCAGACATGTGGCGCTTGGGCTGC
 CTATCTGGGAAGTTTTCAATGGTCTCTACCTCGGGCAACTGCCCTGCGCAACCCTGGGAAGATCCCCA
 AATCCCTGGTCAACCCATTACTGCGAGCTGGTGGGAGCTAACCCCAAAGTACGTCCCAACCCGGCCCGCTT
 CCTGCAGAACTGCCGGGCACCTGGTGGCTTCATGAGCAACCGCTTGTGGAGACCAACCTGTTCTGGAG
 GAGATTAGATCAAAGAGCCAGCTGAGAAGCAGAAGTTCTTCAAAGAGCTGAGCAAGAGTCTAGACTCGT
 TTCCTGAAGATTTCTGTGCACACAAGGTGCTGCCCCAGCTGTGACTGCCTTTGAGTTTGGCAATGCTGG
 GGCCGTGGTCTCACACCTCTCTCAAGGTGGGAAATTCCTCAGTGTGAAGAATACCAGCAGAAGATC
 ATCCCCGTGGTGGTTAAGATGTTCTCATCCACTGACCGTCCATGCGCGTCCGCCCTCTCCAGCAGATGG
 TCTGGACACCAACCCCTGCCATCCGGGAGCAGACTGTCAAGTCCATGCTGCTCTTGGCCCCAAAGCTGAGT
 GAGACCAACCTCAATGTGGAGCTGCTGAAGCACTTCGCAAGGCTGCAAGCCAAGGACGACAGGGTCCCA
 TCCGCTGCAACACCACGGTCTGCTTGGGCAAAATCGGCTCCTACCTCAGTGTAGTACTAGACACAGGGT
 CCTCACCTCTGCCTTCAGCCGGGCCACTAAGGACCCATTTGCACCATCCCGGGTTCGGGGTGTCTGGGC
 TTCGCTGTACACACAATCTCTACTCAATGGATGACTGTGCCATAAGATCCTGCCTGTGCTCTGCGGCC
 TTAGTGTAGACCCTGAAAAATCTGTGCGGGACAGGCCTTAAGACCATTGCAAGCTTCTGTCCAAATT
 AGAGTCTGTGTCGGAGGATCCTACCCAGTTGGCAGAAATAGAGAAGGACGTCCATGCAGCATCCAGCCCT
 GGAACAGGAGGAGCTGCAGCCAGCTGGGCAGGCTGGGCTGTGACCGGGTGTCTCTCACCTCCAAGC
 TGATCCGAACACACCCACACCTGTGCCGTCTGAGGCCGCTGTGCCCCAGAGACCAGTGCCAGAGGGAGA
 CCCTGCTCCAGCTCCAGCCCTGCCTCTGCCACCCCTGCGACCTCAGGCCACCGGAAACACAGGAAGAA
 GACAAGGACGCTGCAGAAGACAGCGCCACTGCCGACAGATGGGATGATGAGGACTGGGGCAGCTTGAGC
 AGGAAGCCGAGTCTGTGTTGGCGCAGCAGGATGACTGGAGCACCAGGGCCAAGGGAATCGAGCTGGACA
 GGTGAGCCATTGAGACCACAAATCTCTGGACTCACACTGGAGCAGCTGGGAAGTTGAGGGCTCTGGGAC
 CAGGGCTGGCAGGAACCCAGTTCTGTGGAGCCACCCCAAGGAACCCGGCTAGCCAGCAGTATAACT
 GGGGTGGTGCAGAGCCAGTGAAGGGTGACCCCTTTGCTGCCCTGTCTGTTCCGTCAGCAGCCAGCC
 CAGGCCAGACCCAGACTCCTGGGTGAGGACAACCTGGGAAGGCTTGGAGGCTGAAAGCAGGCGAGTGAAG
 GCAGAGCTAGCCCGAAAAAGCAGAGGAAAGGAGAAAGAAATGGAAGCCAAGCGGGCGGAGAAAAAGG
 CCACCAAGGGGCCATGAAGCTGGGAGCCCGAAGCTGGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001011938
Insert Size: 2424 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:	<u>NM_001011938.1</u> , <u>NP_001011938.1</u>
RefSeq Size:	2622 bp
RefSeq ORF:	2424 bp
Locus ID:	293684
UniProt ID:	<u>Q5M9F8</u>
Cytogenetics:	1q43
Gene Summary:	Regulates COPI-mediated retrograde protein traffic at the interface between the Golgi apparatus and the endoplasmic reticulum. Involved in the maintenance of the Golgi apparatus morphology. Has no detectable kinase activity in vitro.[UniProtKB/Swiss-Prot Function]