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Product datasheet for MR210762

Scyl1 (NM_023912) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scyl1 (NM_023912) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scyl1
Synonyms:	2810011O19Rik; C85140; mdf; mfd; Ntkl; p105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR210762 representing NM_023912
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGTTCTTTGCCCGGGACCCGG[AT]CCGGGACTTCCCGTTCGAGCTGAGCCCTGAGCCCCCCGAAG
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CGTGTATGATGTGAAACCGGGAGCTGAAGAGCAGACCCAGGTGGCCAAAGCTGCCTTCAAACGCCTCAAA
ACTCTCCGACACCCCAACATCCTGGCCTATATCGATGGGTTGGAGACAGAAAAGTGCCTCCACATCGTGA
CAGAGGCTGTGACCCCCCTGGGAACATACCTCAAGGCACGAGCAGAAGCAGGTGGCCTGAAGGAGCAGGA
GCTGTCATGGGGGTTACACCAGATCGTGAAAGCCCTCAGCTTCCTGGTCAACGACTGCAACCTCATCCAC
AATAATGTCTGCATGGCCGCTGTGTTTGTGGACAGGGCTGGCGAGTGGAAACTTGGGGGTCTGGACTACA
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GCCTTACTGTGGACCCTGAGAAATCTGTGCGGGACCAGGCCTTTAAGACCATTCGAAGCTTCCTGTCCAA
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CCACCAAGGGGCCCATGAAGCTGGGAGCCCGGAAGCTGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210762 representing NM_023912
Red=Cloning site Green=Tags(s)

MWFFARDPXXRDFPFELSPEPPEGGPPGPWILHRGRKKATGSAVSIFVYDVKPGAEEQTQVAKAAFKRLK
TLRHPNILAYIDGLETEKCLHIVTEAVTPLGTYLKARAEAGGLKEQELSWGLHQIVKALSFLVNDCNLIH
NNVCMAAVFVDRAGEWKLGGLDYMYSAQGNGGGPPSKGIPELEQYDPPELADSSSRAVREKWSADMWRLG
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NEANLNVELMKHFARLQAKDDQGPIRCNTTVCLGKIGSYLSASTRHRVLTSAFSRATKDPFAPSRVAGVL
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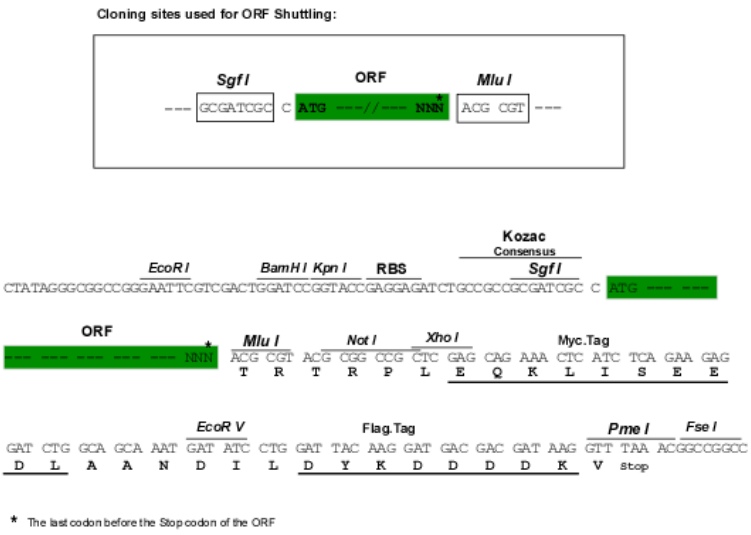
Chromatograms: https://cdn.origene.com/chromatograms/mm9009_f03.zip

Restriction Sites: SgfI-MluI

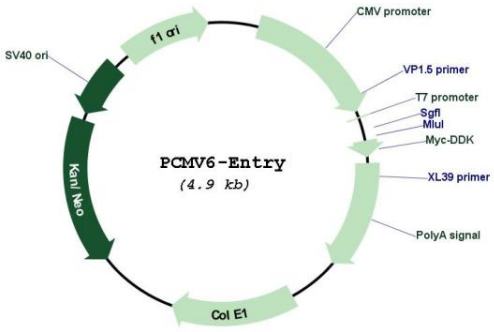
Cloning Scheme:



ACCN:	NM_023912
ORF Size:	2421 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:	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_023912.1, NM_023912.2, NP_076401.1
RefSeq Size:	2637 bp
RefSeq ORF:	2421 bp
Locus ID:	78891
UniProt ID:	Q9EQC5
Cytogenetics:	19 4.34 cM
MW:	89.6 kDa
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]

Product images:



Circular map for MR210762