

Product datasheet for **MR211227**

Scyl2 (NM_198021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scyl2 (NM_198021) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scyl2
Synonyms:	AU015688; AW536445; BC030932; CVAK104; D10Ertd802e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211227 representing NM_198021
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTCCATGCTTAATAAACTGAAGAGTACTGTTACAAAAGTAAACAGCTGATGTCACCAGTGTCTGTGA
 TGGGAAATCCCGTCACTAGAGAGTTTGTGTTGGTCGACACATTGCCAGTGGTGGCAATGGGTTGGCATG
 GAAGATTTTTAATGGCACAAAGAAGTCAACAAAACAGGAAGTGGCTGTTTTTGTCTTTGATAAAAAAGCTG
 ATTGACAAATATCAAAAATTTGAAAAGGATCAAAATCATTGATTCTTTAAAACGCGGAGTCCAACAGCTAA
 CCCGACTACGACACCCTCGACTTCTTACTGTCCAGCATCCTTTAGAAGAGTCAAGGGATTGCTTGGCATT
 TTGTACAGAACCAAGTTTTGCCAGTTTAGCCAATGTTCTTGGTAACTGGGAAAATCTACCCTCTTCAATA
 TCTCCAGACATCAAGGATTATAAACTTTATGATGTAGAACTAAGTATGGTTTGGCTTCCAGTTTCTGAAG
 GATTGTCATTTTTGCATAGCAGTGTAAAAATGGTTCATGGAAATGTTACTCCTGAAAATGTCATTTTGAA
 TAAAAGCGGAGCCTGAAAATAATGGGGTTTGACTTCTGTGTGCATCAAGCAACCCTTCTGAACAGGAG
 CCTAAGTTTCTTGTAAAAGAGTGGGACCCAAACTTGCCATCATTGTGCTTCCGAATCCTGAATACTTGG
 CTCTGAATATATCCTGTCCGTGAGCTGTGAGACTGCCAGTGACATGACTCGTTAGGAGCTGTTATGTA
 CGCCGTGTTTAAATCAAGGGAGACCTATATTTGAAGTCAACAAGCAGGACATTTACAAGAGCTTCAGTAGA
 CAACTGGATCAGTTGAGTCGTTTAGGATCTAGTTCAGTACCAGTATACCCGAGGAAAGTTCGTGAACACG
 TAAAACGTGTTGTTAAATGTAACCTCAACCGTGAGACCCGATGCAGATCAAATGACAAAAATTCCTTCTT
 TGATGATGTTGGTGCAGTAACTTCAATATTTGATACCTTATCCAAGAGATAATCTTCAGAAATCA
 CAGTCTTCAAAGGATTGCCAAAGGTTCTACCAAAGCTGCCAAGCGTGCATTGTGCAGAGGATTTTAC
 CTGTCTGACCTCAGAATTTGTCAACCCGTGATATGGTACCTTTTCGTTTTACCTAATGTTCTGCTCATTGC
 TGAGGAATGCACCAAAGAAGAATATATCAAATTAATTCTGCCTGAACTCGGTCTGTATTCAAACAGCAG
 GAGCCAATCCAGATTTTGTCAATTTTTCTACAAAAATGGATTTGCTGCTAACCAAAACCCCTCCTGATG
 AGATAAAGAACAGTGTCTGCCATGGTCTACAGAGCTCTGGAGGCTCCTTCCATTAGATCCAGGAGCT
 CTGTCTAAACATCATTCCAACATTTGCAAATCTTATAGACTACCCGTCCATGAAAAACGCTTTGATTCCA
 AGAATTAATAATGCCTGTTTACAAACGCTTCCCTTGTGTCCGTGTGAATTCATTAGTGTGCTTAGGGA
 AGATCCTGGAGTACCTGGATAAGTGGTTTGTGCTTGTATGATATCCTACCCTTCTTACAGCAGATTCCTC
 CAAGGAGCCTGCAGTCTCATGGGATTTTAGGATTTATAAATGTACTTTTACTCATAAAAAATGGGA
 ATCACCAAAGAGCAGCTGGCTGGGAAAGTCTGCCTCATCTCATCCCCCTGAGCATTGAAAAACAACCTCA
 ACCTCAATCAGTTCAGCTCCTTCAATGGCGTCATAAAGGAGATGCTGAGCAGACTGGAGTCTGAGCATAG
 GACGAAGCTAGAGCAGCTTACGTGATGCAGGAGCAGCAGAGGTCTTTGGACATAGGGAATCAAATGAGC
 ACTTCTGAGGAGACAAAAGTTGCACATTCTGGAAGTCAAGCAGATTGATAAGGTCTTTAACAACTTGGAG
 CGGACCTTCTAAGTGGCAGTGAATCAGAAAAATAGAGAAGATGGGATGCAGGGAAAACAGAAAAGGGGGTC
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 CCTTTAAGCCCCAGGTCCACACTCCCATCGCTCCCATTAACAGACTAAGGACTTGACAGACACTGA
 TGGAAAACATGTCGTCTCTGACCAGCCTTCTGTTAGCACTCCTAAGATTTCTGCTTCAAGTACCTTAC
 CCCAGTTCCTTCCAGGGCCTCGCATGATGTTTTCAACACCCATTGATAATACAAGAGAAAATTTGACA
 AATGGCCTGAATGCCAACATGGGCTTTACAGACTTCAAGGTTTCAAGTATGCCAGTCAATCCAACAGAACT
 TCTTCAAGTGGGACGGGCACAGCTGGCGTGACCACCATGAGTCTGGGAGCACCTCCCACTATGTCAAAT
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 AATAATCTCTTTGGCCCTCAGAAACCAAAAGTTAGCATGAACCAGCTATCCCAACAGAAACCAAATCAGT
 GGCTGAATCAGTTTGCACCTCCTCAAGGCTCCTGTGTCATGGGCAGCGCAGCCATGGGCACACAGGGGAA
 TGTGATGGGCAGGCTGCCTTTGGTATGCAGGGCAACCCTTTCTCAACCCACAGAACTTTGCACAGCCA
 CCACCCACCACTATGACCAGCAGCAGTTCAGCTAGCAACGATTTGAAAGATCTTTTTGGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >MR211227 representing NM_198021
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MESMLNKLKSTVTKVTADVTSAVMGNPVTREFDVGRHIASGGNGLAWKIFNGTKKSTKQEVAVFVFDKLL
 IDKYQKFEKDIIDSLKRGVQQLTRLRHPRLTVQHPLEESRDCLAFCTEPVFA LANVLGNWENLPSSI
 SPDIDKYKLYDVETKYGLLQVSEGLSFLHSSVKMVHGNVTPENVILNKSGAWKIMGDFCVSSSNPSEQE
 PKFPCKEWDPNLPSLCLPNPEYLAPEYILSVSCETASDMYSLGAVMYAVFNQGRPIFEVKNQDIYKFSR
 QLDQLSRLGSSSLTSIPEEVREHVKLLLNVTPTVRPDADQMTKIPFFDDVGAVTLQYFDTLFQRDNLQKS
 QFFKGLPKVLPKLPKRVIQVRILPCLTSEFVNDMPVFPVLPNVLIAEECTKEEYIKLILPELGPVFKQQ
 EPIQILLIFLQKMDLLLTKTPDEIKNSVLPVYRALEAPSIQIQELCLNIIPTFANLIDYPSMKNALIP
 RIKNAQLTSSLAVRVNSLVCLGKILEYLDKWFVLDLILPFLQQIPSKEPAVLMGILGIYKCTFTHKGLG
 ITKEQLAGKVLPHLIPLSIENNLNLNQFSSFIAVIKEMLSRLESEHRTKLEQLHVMQEQQRSLDIGNQMS
 TSEETKVAHSGSQIDKVFNNIGADLLSGSESENREDGMQKQKRGSLTLEEKQLAKEQEQAQKLSQQ
 PLKPQVHTPIAPIKQTKDLDTLMENMSSLTSLSVSTPKISASSTFTVPVSTGLGMMFSTPIDNTRNLT
 NGLNANMGFQTSFSGMPVNPQNFFSGTGTAGVTTMSLGAPPTMSNF SPLTIPPASVKQPQRPTDMSAL
 NNLF GPQKPKVSMNQLSQKPNQWLNQF APPQGSFVMGSAAMGTQGNVMGQAAF GMQGNPFFNPQNF AQP
 PPTTMTSSSSASNDLKDLFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



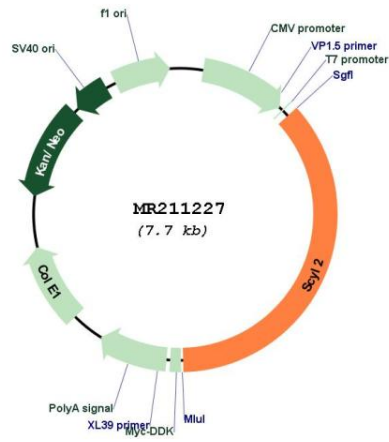
* The last codon before the Stop codon of the ORF

ACCN: NM_198021

ORF Size: 2790 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_198021.3
RefSeq Size:	3431 bp
RefSeq ORF:	2793 bp
Locus ID:	213326
UniProt ID:	Q8CFE4
Cytogenetics:	10 45.05 cM
MW:	103.8 kDa
Gene Summary:	Component of AP2-containing clathrin coated structures at the plasma membrane or of endocytic coated vesicles. May be a serine/threonine-protein kinase. May regulate clathrin-dependent trafficking between the TGN and/or the endosomal system (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211227