

Product datasheet for **MG211227**

Scyl2 (NM_198021) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scyl2 (NM_198021) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scyl2
Synonyms:	AU015688; AW536445; BC030932; CVAK104; D10Ertd802e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG211227 representing NM_198021
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCCATGCTTAATAAACTGAAGAGTACTGTTACAAAAGTAAACAGCTGATGTCACCAGTGTCTGTGA
TGGGAAATCCCGTCACTAGAGAGTTTGATGTTGGTCGACACATTGCCAGTGGTGGCAATGGGTTGGCATG
GAAGATTTTTAATGGCACAAAGAAGTCAACAAAACAGGAAGTGGCTGTTTTTGTCTTTGATAAAAAAGCTG
ATTGACAAATATCAAAAATTTGAAAAGGATCAAAATCATTGATTCTTTAAAACGCGGAGTCCAACAGCTAA
CCCGACTACGACACCCTCGACTTCTTACTGTCCAGCATCCTTTAGAAGAGTCAAGGGATTGCTTGGCATT
TTGTACAGAACCAAGTTTTTGCCAGTTTAGCCAATGTTCTTGGTAACTGGGAAAATCTACCCTCTTCAATA
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GATTGTCATTTTTGCATAGCAGTGTAAAAATGGTTCATGGAAATGTTACTCCTGAAAATGTCATTTTGAA
TAAAAGCGGAGCCTGAAAATAATGGGGTTTGACTTCTGTGTGCATCAAGCAACCCTTCTGAACAGGAG
CCTAAGTTTCTTGTAAAAGAGTGGGACCCAAACTTGCCATCATTGTGCTTCCGAATCCTGAATACTTGG
CTCCTGAATATATCCTGTCCGTGAGCTGTGAGACTGCCAGTGACATGACTCGTTAGGAGCTGTTATGTA
CGCCGTGTTTAAATCAAGGGAGACCTATATTTGAAGTCAACAAGCAGGACATTTACAAGAGCTTCAGTAGA
CAACTGGATCAGTTGAGTCGTTTAGGATCTAGTTCAGTACCAGTATACCCGAGGAAAGTTCGTGAACACG
TAAAACGTGTTGTTAAATGTAACCTCAACCGTGAGACCCGATGCAGATCAAATGACAAAAATTCCTTCTT
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CAGTCTTCAAAGGATTGCCAAAGGTTCTACCAAAGCTGCCAAGCGTGCATTGTGCAGAGGATTTTAC
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GAGCCAATCCAGATTTTGCTAATTTTTCTACAAAAATGGATTTGCTGCTAACCAAAAACCCCTCCTGATG
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CAAGGAGCCTGCAGTCTCATGGGATTTTAGGATTTATAAATGTACTTTTACTCATAAAAAATGGGA
ATCACCAAAGAGCAGCTGGCTGGGAAAGTCTGCCTCATCTCATCCCCCTGAGCATTGAAAAACAACCTCA
ACCTCAATCAGTTCAGCTCCTTCAATGGCGTCATAAAGGAGATGCTGAGCAGACTGGAGTCTGAGCATAG
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ACTTCTGAGGAGACAAAAGTTGCACATTCTGGAAGTCAAGCAGATTGATAAGGCTTTTAAACAATTGGAG
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TCTTCAAGTGGGACGGGCACAGCTGGCGTGACCACCATGAGTCTGGGAGCACCTCCCACTATGTCAAACCT
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TGTGATGGGCAGGCTGCCTTTGGTATGCAGGGCAACCCTTTCTCAACCCACAGAACTTTGCACAGCCA
CCACCCACCACTATGACCAGCAGCAGTTCAGCTAGCAACGATTTGAAAGATCTTTTTGGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG211227 representing NM_198021
 Red=Cloning site Green=Tags(s)

MESMLNKLKSTVTKVTADVTSAVMGNPVTREFDVGRHIASGGNGLAWKIFNGTKKSTKQEVAVFVFDKLL
 IDKYQKFEKDQI IDSLKRGVQQL TRLRHPRL TVQHPLEESRDCLAFCTEPVFASLANVLGNWENLPSSI
 SPDIDKYKLYDVETKYGLLQVSEGLSFLHSSVKMVHGNVTPENVILNKSGAWKIMGDFCVSSSNPSEQE
 PKFPCKEWDPNLPSLCLPNPEYLAPEYILSVSCETASDMYSLGAVMYAVFNQGRPIFEVNKQDIYKFSR
 QLDQLSRLGSSSLTSIPEEVREHVKLLLNVTPTVRPDADQMTKIPFFDDVGAVTLQYFDTLFQRDNLQKS
 QFFKGLPKVLPKLPKRVI VQRILPCLTSEFVNDPMVFPVLPNVLIIAEECTKEEYIKLILPELGPVFKQQ
 EPIQILLIFLQKMDLLLTKTPPDEIKNSVLPVYRALEAPSIQIQELCLNIIPTFANLIDYPSMKNALIP
 RIKNAQLQTSSLAVRVNSLVCLGKILEYLDKWFVLDLILPFLQQIPSKEPAVLMGILGIYKCTFTHKLG
 ITKEQLAGKVLPHLIPLSIENNLNLNQFSSFIAVIKEMLSRLESEHRTKLEQLHVMQEQQRSLDIGNQMS
 TSEETKVAHSGSQQIDKVFNNIGADLLSGSESENREDGMQKQKRGSLTLEEKQLAKEQEQAQKLSQQ
 PLKPQVHTPIAPIKQTKDLTDTLMENMSSLTSLSVSTPKISASSTFTVPVSTGLGMMFSTPIDNTRNLT
 NGLNANMGFQTSFSGMPVNPQNQFFSGTGTAGVTTMSLGAAPTMSNF SPLTIPPASVKQPQRPTDMSAL
 NNLFGPQPKVSMNQLSQKPNQWLNQFAPPQGSFVMGSAAMGTQGNVMGQAAF GMQGNPFFNPQNF AQP
 PPTTMTSSSSASNDLKDLFG

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

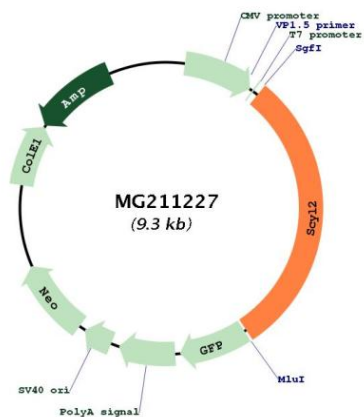


ACCN:

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_198021.1
RefSeq Size:	3431 bp
RefSeq ORF:	2793 bp
Locus ID:	213326
UniProt ID:	Q8CFE4
Cytogenetics:	10 45.05 cM
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 MG211227