

Product datasheet for **MG210356**

Scyl3 (BC043085) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scyl3 (BC043085) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scyl3
Synonyms:	Pace1, 6030457O16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210356 representing BC043085
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGATCAGAGAACAGCGCTTTAAAGAGCTACACACTGAGGGAGTCTCCTTTTACCTTACCATCTGGAC
 TTGCTGTTTATCCCGCCATATTGCAAGATGGGAAATGTGCTTCCGTGTTTGTATATAAGCGAGAAAATGA
 AGACAAGGTTAAACAAGGCTGCCAAGCACTTAAAGACACTCCGTCACCCCTTGCTTGCTAAGATTTTTATCT
 TGTAAGTGTGGAAGCAGATGGCATTTCATCTCGTCACTGAGAGAGTGCAGCCTCTGGAAGTGGCCTTGGA
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 CGCCCGGATGCCTATGCCTTTGGAGCTTTGGTGGACAGCTTGCTCCCCATCTTCAATGAGCAGGTTTCA
 GCGGACGTTCTCTCCAGCTTCTACAGATCCTGCACTCAGCTCTGCTGAACCCCATGCCGAGTGTCCGGC
 CAGCACTCAGCACCTTACTGTCCATGATTTTCTCAGAAATGATTTTCTAGAAGTTGTGAACTTCTTGAA
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 TGAGCAGCAGCCTGCCAGTATTCACAGATGGCCCCGAGAACCCTGTGATGTAGCAGAGTCCCAGCACACA
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 CTACAGCCTCTGCTCCTGTGCCTGTACCTCAGGGGACAGTCAACCTCTGCAGCTTTGGTTCCTCTCAC
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 CCACCCCAAGTGTACAAGAAAGACCCCTGAAGGCTCCGTGAGGACTTGGTTTGGGAGAAGATTTACCA
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 TCATCACTGATGCAGTTTTCTCAAAGTTTGTGCAACAGAAATGACCGAGGGAGAGGCAGAAGGCTGGG
 AAGGAGAAGAGCTAGCTGGGAAGATAACAACCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210356 representing BC043085
Red=Cloning site Green=Tags(s)

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MGENSALKSYTLRESPFTLPSGLAVYPAILQDGKCASVFVYKRENEDKVNKAAKHLKTLRHPCLLRFLS
CTVEADGIHLVTERVQPLEVALETLSPA EVCAGIYDILLALIFLHDRGHLTHNNVCLSSVFVSEDGHWKL
GGMETVCQVPQATPEFLRNIQSVRDPASIPPEEMSPEFSGLPESHGHARDAYAFGALVDSLLPIFNEQVS
ADVLSSFLQILHSALLNPMPECRPALSTLLSHDFFRNDFLEVNF LKSLTLKSEDEKTEFFKFLDRVSC
LSEELIASRLVPLLLNQLVFAEPVAVKSFLLPYLLGPKKENAPGETPCLLSPALFQSRVIPVLLRRLFVHE
EHVRMVL LSHIEAYVEHFTQEQLKKVILPQVLLGLRDTNSIVAITLRS LAVLVSL LGPEVVVGGERTKI
FKRTAPSFTKTSDLSPGSPMHVVCSSQSRVSKVLEDPSSNVFPKWL SGNVPSSSRKRIQEECYSSLSQT
GDQFSHTIKFPMNGLSDVKNTSEDNGSFPAGSNKPEEWPDWSEPEEQQPASIHRWPREPCDVAESQHT
NLTAEEVTWDDGEASFGTEINSTATASAPVPVTSGGQSTSAA LVPLTEESKPLQSSPSSKTSHRQH EEVK
PPQVSRERPLKAPSGLGLGEEFTIQVKKKPVQDPELDFWADM IPEIKPSGTFLLILPELRTEVMVPDKDNV
SSLMQFSSKFAATEMTEGEAEGWEGEELAWEDNNW
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC043085

ORF Size: 2207 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: [BC043085](#), [AAH43085](#)

RefSeq Size: 4087 bp

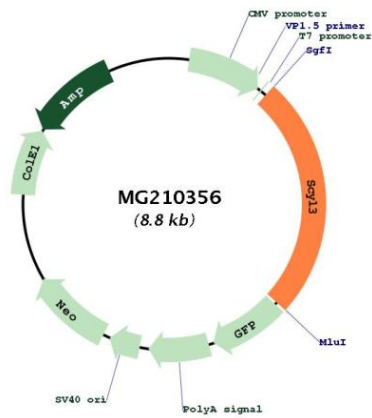
RefSeq ORF: 2207 bp

Locus ID: 240880

Cytogenetics: 1 H2.1- H2.2

Gene Summary: May play a role in regulating cell adhesion/migration complexes in migrating cells. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210356