

Product datasheet for **RG204859**

SCY1 like 3 (SCYL3) (NM_020423) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCY1 like 3 (SCYL3) (NM_020423) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCY1 like 3
Synonyms:	PACE-1; PACE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG204859 representing NM_020423
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGATCAGAGAACAGTGCTTTAAAGAGCTATACACTGAGAGAACCACCATTTACCTTACCTCTGGAC
TTGCTGTTTATCCCGCTGTACTGCAAGATGGCAAATTTGCTTCAGTTTTTGTGTATAAGAGAGAAAATGA
AGACAAGGTTAATAAAGCTGCCAAGCATTTGAAGACACTTCGTCACCCCTTGCTTGCTAAGATTTTTATCT
TGTAAGTGTGGAAGCGGATGGCATTTCATCTGTCTACTGAGCGAGTACAGCCCTGGAAGTGGCTTTGGAAA
CATTGTCTTCTGCAGAGGTCTGTGCTGGGATCTATGACATATTGCTGGCTCTTATCTTCTTCATGACAG
AGGACACCTAACACACAATAATGTCTGTTTATCATCTGTGTTTGTGAGTGAAGATGGACTGGAAGCTA
GGAGGAATGGAACTGTTTGTAAAGTTTCTCAGGCCACACCAGAGTTTCTGAGGAGTATTCAGTCAATAA
GAGACCCAGCATCTATCCCTCCTGAAGAGATGTCTCCAGAATTCACAACCTCCCAGAGTGCATGGACA
TGCCCGGATGCCTTTTCATTTGGAACATTGGTGGAAAGTTTGTCTACAATCTTAAATGAACAGGTTTCA
GCGGATGTTCTCTCCAGCTTTCAACAGACTTGCCTCAACTTTGCTGAATCCCATTCCAAAATGTCCGGC
CAGCGCTCTGCACCTTACTATCTCATGACTTCTCAGAAATGATTTTCTGGAAGTTGTGAATTTCTGAA
AAGTTTAAACATTGAAGAGTGAAGAGGAGAAAACCGAATTTCTTAAATTTCTGCTGGACAGAGTCAGCTGC
TTGTCCAGAGGAATTGATAGCTTCAAGTTGGTGCCTCTCTGCTTAATCAGTTGGTGTGGCAGGCCAG
TGGCTGTTAAGAGTTTTCTTCTTATCTGCTTGGCCCCAAAAAGATCATGCGCAGGGAGAAAACCTTGT
CTTGTCTCACCAGCCCTGTTCCAGTACCGGTGATCCCCGTGCTTCTCCAGTTGTTGAAGTTCATGAA
GAGCATGTGCGGATGGTGTCTGTCTCACATCGAGGCCACGTGAGCACTTCACTCAGGAGCAGCTGA
AGAAAGTCATCTTGCCACAGTTTTGCTGGCCCTGCGTGATACTAGTGATTCCATTGTGGCAATTAATCT
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ATACAGATTTGGCCTAGAGAACCTTGTGATGATGTCAAGTCCCAGTGCCTACCTGGATGTGGAAGAGT
CATCTTGGGATGACTGCGAGCCAGCAGCTTAGATACTAAAGTAAACCCAGGAGGTGGAATCACTGCTAC
AAAACCTGTTACCTCAGCGGAGCAGAAGCCTATCCTGCTTTGCTTTCACTCACTGAAGAGTCTATGCCT
TGGAAATCAAGCTTACCCAAAAGATTAGCCTTGTACAAAGGGGGATGACGCAGACCAATCGAGCCGC
CAAAAGTGCATCACAAGAAAGGCCCTTAAGGTTCCATCAGAATTTGGTTTAGGAGAGGAATTCACCAT
TCAAGTAAAAAAGAGCCAGTAAAGATCCTGAGATGGATTGGTTTGTGATATGATCCCAGAAATTAAG
CCTTCTGCTGCTTTTCTTATATTACCTGAACTGAGGACAGAAATGGTCCCAAAAAGGATGATGTCTCC
CAGTGATGCAGTTTTCTCAAAATTTGCTGCAGCAGAAATTAAGTGGGAGAGGCTGAAGGCTGGGAAGA
AGAAGGGGAGCTGAAGTGGGAAGATAATAACTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204859 representing NM_020423
 Red=Cloning site Green=Tags(s)

MGSENSALKSYTLREPPFTLPSGLAVYPAVLQDGKFASVFVYKRENEDKVNKAAKHLKTLRHPCLLRFLS
 CTVEADGIHLVTERVQPLEVALETLSAEVCAGIYDILLALIFLHDRGHLTHNNVCLSSVFSVSDGHWKL
 GGMETVCKVVSQATPEFLRSIQSIRDPAIPPEEMSPFTLPECHGHARDAFSFGTLVESLLTILNEQVS
 ADVLSSFQQTLLHSTLLNPVKCRPALCTLLSHDFFRNDFLEVNFLLKSLTLKSEEEKTEFFKFLDRVSC
 LSEELIASRLVPLLLNQLVFAEPVAVKSFLPYLLGPKKDHAQGETPCLLSPALFQSRVIPVLLQLFEVHE
 EHVRMVLVSHIEAYVEHFTQEQLKKVILPQVLLGLRDTSDSIVAITLHSLAVLVSLLGPEVVGGERTKI
 FKRTAPSFTKNTDLSLEGDPFSQPIKFPINGLSDVKNTSEDSSENFSSSKKSEEWPDWSEPEEPENQTVN
 IQIWPREPCCDDVKSQCTTLDVEESSWDDCEPSSLDTKVNPGGGITATKPVTSAEQKPIPALLSLTEESMP
 WKSSLPQKISLVQRGDDADQIEPPKVSSQERPLKVPSELGLGEEFTIQVKKPKVPKPEMDFADMIPKIK
 PSAAFLILPELRTEMVPPKDDVSPVMQFSSKFAAAEITEGEAEGWEEEGELNWDENNW

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_020423

ORF Size: 2064 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_020423.4](#), [NP_065156.4](#)

RefSeq Size: 2874 bp

RefSeq ORF: 2067 bp

Locus ID: 57147

UniProt ID: [Q8IZE3](#)

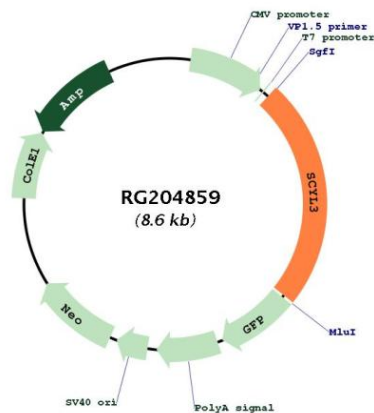
Cytogenetics: 1q24.2

Domains: S_TKc

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a protein with a kinase domain and four HEAT repeats. The encoded protein interacts with the C-terminal domain of ezrin, an ERM protein, and may play a role in cell adhesion and migration. Alternative splicing results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG204859