

Product datasheet for **RC220028**

SCY1 like 3 (SCYL3) (NM_181093) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCY1 like 3 (SCYL3) (NM_181093) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCY1 like 3
Synonyms:	PACE-1; PACE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC220028 representing NM_181093
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGATCAGAGAACAGTGCTTTAAAGAGCTATACACTGAGAGAACCACCATTTACCTTACCTCTGGAC
 TTGCTGTTTATCCCGCTGTACTGCAAGATGGCAAATTTGCTTCAGTTTTTGTGTATAAGAGAGAAAATGA
 AGACAAGGTTAATAAAGCTGCCAAGCATTTGAAGACACTTCGTCACCCCTTGCTTGCTAAGATTTTTATCT
 TGTAAGTGTGAAGCGGATGGCATTTCATCTGTCTACTGAGCGAGTACAGCCCTGGAAGTGGCTTTGGAAA
 CATTGTCTTTCGAGAGGTCTGTGCTGGGATCTATGACATATTGCTGGCTCTTATCTTCTTCATGACAG
 AGGACACCTAACACACAATAATGTCTGTTTATCATCTGTGTTTGTGAGTGAAGATGGACTGGAAGCTA
 GGAGGAATGGAACTGTTGTAAAGTTTCTCAGGCCACACCAGAGTTTCTGAGGAGTATTCAGTCAATAA
 GAGACCCAGCATCTATCCCTCCTGAAGAGATGTCTCCAGAATTCACAACCTCCCAGAGTGCATGGACA
 TGCCCGGATGCCTTTTCATTTGGAACATTGGTGGAAAGTTTGTCTACAATCTTAAATGAACAGGTTTCA
 GCGGATGTTCTCTCCAGCTTTCAACAGACTTGCCTCAACTTTGCTGAATCCCATTCCAAAATGTCCGGC
 CAGCGCTCTGCACCTTACTATCTCATGACTTCTCAGAAATGATTTTCTGGAAGTTGTGAATTTCTTGAA
 AAGTTTAAACATTGAAGAGTGAAGAGGAGAAAACCGAATTTCTTAAATTTCTGCTGGACAGAGTCACTGC
 TTGTGAGAGGAATTGATAGCTTCAAGTTGGTGCCTCTCTGCTTAATCAGTTGGTGTGTTGCAGAGCCAG
 TGGCTGTTAAGAGTTTTCTTCTTATCTGCTTGGCCCCAAAAAGATCATGCGCAGGGAGAAAACCTTGT
 CTTGCTCTCACCAGCCCTGTTCCAGTCAAGGTTGATCCCGTCTCTCCAGTTGTTGAAGTTCATGAA
 GAGCATGTCCGATGGTGTCTGTCTCACATCGAGGCTACGTGGAGCACTTCACTCAGGAGCAGCTGA
 AGAAAGTCATCTTGCCACAGTTTTGCTGGCCCTGCGTACTAGCGATTCCATTGTGGCAATTTACTCT
 GCATAGCCTAGCAGTGTGGTCTCTCTGCTTGGACCAGAGGTGGTTGTGGGAGGAGAACGAACCAAGATC
 TTCAAACGCCTGCCCAAGTTTTACTAAAAACTGACCTTTCTCTAGAAGATTCTCTATGTGTGTCG
 TCTGCAGCCATCACAGTCAAGTCTCGCCAATCTTGGAGAACCCTTCTCTAGCATATCCCTAAATGTTT
 CTTTTCTGGCAGCAGCCATCAACAGCAAGAAGCACATACAGCGAGATTACTACAATACTCTTTTACAG
 ACAGGCGATCCATTTCTCAGCCTATTAATTTCCATAAATGGACTCTCAGATGTAAAAATACTTCGG
 AGGACAGTAAAACCTCCCATCAAGTTCTAAAAAGTCTGAGGAGTGGCCTGACTGGAGTGAACCTGAGGA
 GCCTGAAAATCAAAGTCAACATACAGATTTGGCCTAGAGAACCTTGTGATGATGTCAAGTCCCAGTGC
 ACTACCTTGGATGTGGAAGAGTCACTTGGGATGACTGCGAGCCAGCAGCTTAGATACTAAAGTAAACC
 CAGGAGGTGGAATCACTGCTACAAAACCTGTACCTCAGGGGAGCAGAAGCCTATTCTGCTTTGCTTTC
 ACTCACTGAAGAGTCTATGCCTTGGAAATCAAGCTTACCCAAAAAGATTAGCCTTGTACAAAAGGGGGAT
 GACGCAGACAAAATCGAGCCGCCAAAAGTGTATCACAAGAAAGGCCCTTAAGGTTCCATCAGAACTTG
 GTTTAGGAGAGGAATTCACCATCAAGTAAAAAGAAGCCAGTAAAAGATCCCTGAGATGGATTGGTTTGC
 TGATATGATCCCAGAAATTAAGCCTTCTGCTGCTTTTCTTATATTACCTGAACTGAGGACAGAAATGGTC
 CAAAAAAGGATGATGTCTCCCAAGTGTGAGTTTTCTCAAATTTGCTGCAGCAGAAATTAAGG
 GAGAGGCTGAAGGCTGGGAAGAAGAAGGGGAGCTGAACTGGGAAGATAATAACTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC220028 representing NM_181093
Red=Cloning site Green=Tags(s)

MGSENSALKSYTLREPPFTLPSGLAVYPAVLQDGKFASVFVYKRENEDKVNKAAKHLKTLRHPCLLRFLS
 CTVEADGIHLVTERVQPLEVALETLSSAEVCAGIYDILLALIFLHDRGHLTHNNVCLSSVFVSEDGHWKL
 GGMETVCKVVSQATPEFLRSIQSIRDPAIPPEEMSPEFTTLPECHGHARDAFSFGTLVESLLTILNEQVS
 ADVLSSFQQTTLHSTLLNPIPKCRPALCTLLSHDFFRNDFLEVNFLLKSLTLKSEEEKTEFFKFLDRVSC
 LSEELIASRLVPLLLNQLVFAEPVAVKSFLLPYLLGPKKDHAQGETPCLLSPALFQSRVIPVLLQLFEVHE
 EHVRMVLVLSHIEAYVEHFTQEQLKKVILPQVLLGLRDTSDSIVAITLHSLAVLVSLLGPEVVVGGERTKI
 FKRTAPSFTKNTDLSLEDSPMCVCVSHHSQISPILENPFSSIFPKCFFSGSTPINSKKHIQRDYNTLLQ
 TGD PFSQPIKFPINGLSDVKNTSEDSENFPSSSKKSEEWPDWSEPEEPENQTVNIQIWPREPCCDDVKSQC
 TTLDVEESSWDDCEPSSLDTKVNPGGGITATKPVTSGEQKIPALLSLTEESMPWKSSLPQKISLVQRGD
 DADQIEPPKVSSQERPLKVPSELGLGEEFTIQVKKKPKDPEMDWFADMIPKIPSA AFLILPELRTEMV
 PKKDDVSPVMQFSSKFAAAEITEGEAEGWEEEGELNWDENNW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_181093

ORF Size: 2226 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_181093.3](#), [NP_851607.2](#)

RefSeq Size: 3090 bp

RefSeq ORF: 2229 bp

Locus ID: 57147

UniProt ID: [Q8IZE3](#)

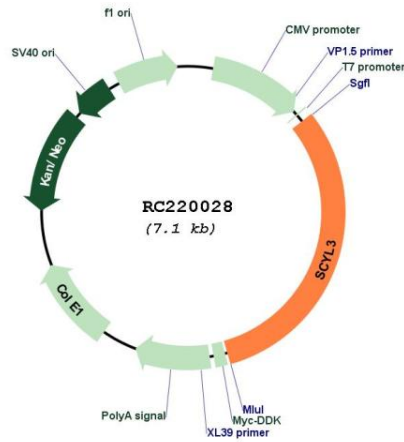
Cytogenetics: 1q24.2

Protein Families: Druggable Genome, Protein Kinase

MW: 82.9 kDa

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 RC220028