

Product datasheet for **RG220028**

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:	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)



[View online »](#)

Protein Sequence: >RG220028 representing NM_181093
 Red=Cloning site Green=Tags(s)

MGSENSALKSYTLREPPFTLPSGLAVYPAVLQDGKFASVFVYKRENEDKVNKAAKHLKTLRHPCLLRFLS
 CTVEADGIHLVTERVQPLEVALETLSAEVCAGIYDILLALIFLHDRGHLTHNNVCLSSVFVSEDGHWKL
 GGMETVCKVVSQATPEFLRSIQSIRDPAISIPPEEMSPEFTTLP ECHGHARDAFSFGTLVESLLTILNEQVS
 ADVLSSFQQT LHSTLLNP IPKCRPALCTLLSHDFFRNDFLEVNF LKSLTLKSEEEKTEFFKFLDRVSC
 LSEELIASRLVPLLLNQLVFAEPVAVKSF LPYLLGPKKDHAQGETPCLLSPALFQSRVIPVLLQLFEVHE
 EHVRMVL LSHIEAYVEHFTQEQLKVKVILPQVLLGLRDTSDSIVAITLHSLAVLVSLLGPEVVVGGERTKI
 FKRTAPSFTKNTDLSLEDSPMCVCVSHHSQISPILENPFSSIFPKCFFSGSTPINSKKHIQRDYNTLLQ
 TGD PFSQPIKFPINGLSDVKNTSEDSENFPSSSKKSEEWPDWSEPEEPENQTVNIQIWPREP CDDVKSQC
 TTL DVEESSWDDCEPSSLDTKVNPGGGITATKPVTSGEQKPIPALLSL TEESMPWKSSLPQKISLVQRGD
 DADQIEPPKVSSQERPLKVPSELGLGEEFTIQVKKKPKVDP EMDWFADMIP EIKPSAAFLILPELRTEMV
 PKKDDVSPVMQFSSKFAAAEITEGEAEGWEEEGELN WEDNNW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

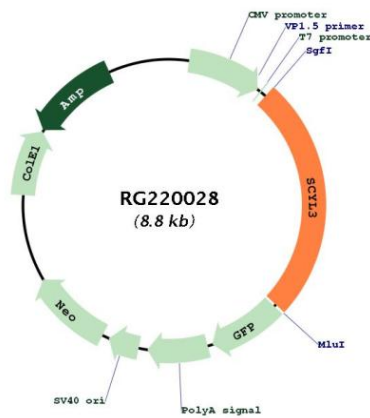
UniProt ID: [Q8IZE3](#)

Cytogenetics: 1q24.2

Protein Families: Druggable Genome, Protein Kinase

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 RG220028