

Product datasheet for **RG212142**

SCEL (NM_144777) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SCEL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG212142 representing NM_144777
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCAATGTTACCTTGAGAAAAATGTCTCCACAGGAAATGAGATGAAGAGCACCACTCAGGGAACCA
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 GCCAACACCTCCAACACCATAGCATCCACTTCTGCTACTCTCTGTAAAGAAGAAGAGGCAGTCTGCTGTT
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 GAACTAAAATGATTTTAGATGAATTACAAATTTGCTGCCATTCTACTTGAAGTGTGAATATGCA
 AGCAGCCTTTGAAAAATCTACAAGCGGGTGATAGTATTGGATTATAGACAGACAATACACTGTGAACC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

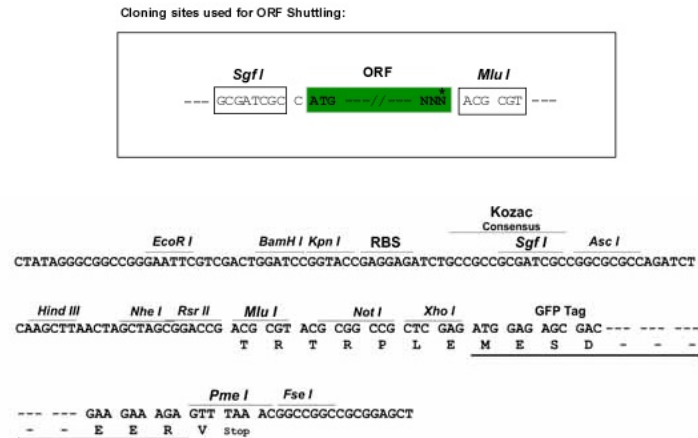
Protein Sequence: >RG212142 representing NM_144777
 Red=Cloning site Green=Tags(s)

MSNVTLRKMSPTGNEMKSTTQGTTRKQQDFHEVNRRTFLQDNSWIKRPEEEKDENYGRVVLNRHNSHD
 ALDRKVNERDVPKATISRYSSDDTLDRISDRNDAKTYKANTLDNQLTNRSMMSFRSLEVTKLQPGGSLN
 ANTSNTIASTATTPVKKRQSWFPPPPGYNASSTGTRRREPVGHPPIPPKPSSPVSSPNQLRQDNQ
 IHPPKPGVYETNRSARNIRSQDLNIVKVATSLQRSKGEELDNLIKMNKSLNRNQGLDSLFRANPKV
 EEREKRAKSLESLIYMSTRDKDGKIGLSPIKVNQRTDKNEKGRQNLSEVAKVNAARMNKTSTRSEDL
 DNATEVNPKGHENTTGKDLGLIKVDPETNKNITRGQSLDNLIKVTPVVKRSNQSKDLNNFIKVPYGT
 EKSTEGGQSLDSLKVTPERNRTNQGNQDLLENLIKVIPSAKNSSEQGLDEHINVSPKAVKNTDGKQDLK
 LKVNPEIFTNNQRNQLANLIKVNPAVIRNNQSQDLLENLIKVIPSAKNSRNTNRDQNLLENLIEVNSHVS
 KNGSSNTGAKAGPQDTVYTRTYVENSISPDKGYQENISGKYIQTVYSTSDRSVIERDMCTYCRKPLGV
 ETKMILDELQICCHSTCFKCEICKQPLENLQAGDSIWIYRQTIHCEPCYSKIMAKWIP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144777

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.

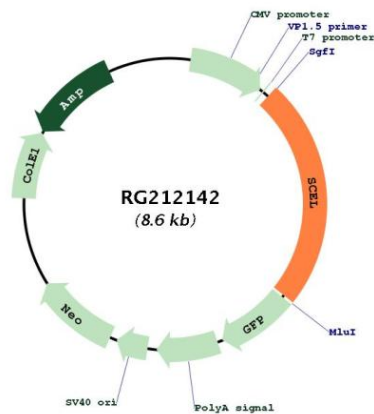
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_144777.1](#), [NP_659001.1](#)

RefSeq Size: 2441 bp
RefSeq ORF: 2067 bp
Locus ID: 8796
UniProt ID: [O95171](#)
Cytogenetics: 13q22.3

Gene Summary: The protein encoded by this gene is a precursor to the cornified envelope of terminally differentiated keratinocytes. This protein localizes to the periphery of cells and may function in the assembly or regulation of proteins in the cornified envelope. Transcript variants encoding different isoforms exist. A transcript variant utilizing an alternative polyA signal has been described in the literature, but its full-length nature has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG212142