

Product datasheet for **RG207214**

SCEL (NM_003843) 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: >RG207214 representing NM_003843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTCCAATGTTACCTTGAGAAAAATGTCTCCACAGGAAATGAGATGAAGAGCACCCTCAGGGAACCA
 CACGGAAGCAGCAGGATTTTCACGAGGTGAACAAAAGAAGAACTTTCTTACAGGATAACAGTTGGATAAA
 GAAACGCCCTGAAGAAGAAAAAGATGAAAATTACGGTAGGGTGGTCTCAACCGACATAATCCCATGAT
 GCATTGGACAGGAAAGTAAATGAGAGAGATGTGCCAAAAGCTACAATTAGTCGGTACAGTTCTGATGACA
 CTTTGGACAGGATCTCAGACAGAAATGATGCTGCTAAAACATATAAGGCCAATACCTTGGATAACCACT
 AACCAATAGGAGCATGTCCGTGTTTATGATCACTGGAAGTAACAAAGTTGCAACCTGGCGGTTTCATTGAAT
 GCCAACACCTCCAACACCATAGCATCCACTTCTGCTACTCTCTGTAAAGAAGAAGAGGCAGTCTGCTGTT
 TTCCACCGCCCTCCAGGTTACAATGCCTCTTCGAGCACAGGAACAGGAGACGGGAACAGGTGTTCA
 CCCTCCAATACCTCCAAGCCAGTTCTCCTGTTTCTTCTACTAACCAGCTGAGACAGGATAATAGGCAG
 ATACATCCACCTAAACAGGTGTATATACAGAAACCAACAGATCTGCTGAAAGAAATATAAGTGAAGAAT
 TGGATAATCTCATCAAAATGAACAAAAGCTTGAATAGGAATCAAGGTCTTGATAGTCTCTTCAGAGCAAA
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 AGAAAAGGAAGACAAAAATCTCGAATCTGTTGCTAAAGTGAATGCCAGGATGAATAAAACGAGCAGAAGAAG
 TGAAGACCTTGATAATGCTACTGAAGTAAATCCCAAGGACATGAAAATACCACTGGAAAAAAGACCTT
 GATGGGCTTATTAAGTGGATCCTGAAACAAATAAAAAATTACGAGGGGCCAGAGCCTTGATAATCTCA
 TCAAAGTGACCCCTGAAGTAAAGAGAAGTAACCAAGGTTCCAAAGACCTTAATAACTTCATCAAAGTGTA
 TCCAGGAACAGAAAAAGTACTGAAGGGGGCCAAAGTCTCGACAGCCTATTAAAGTGAATCCTGAAAGA
 AACAGAACTAACCAAGGGAACCAAGACTTGAAAAATCTTATCAAAGTGATCCCTTCAGCAAAACAAAAGCA
 GTGAACAAGGTCTTGATGAACATATTAATGTGACGCCCCAAAGCTGTCAAAAACACTGATGAAAAACAAGA
 TCTTGATAAACTCATCAAGGTGAATCCTGAAATTTTCAAAACAACCAAGAAACCAAGATCTTGCTAAC
 CTCATCAAAGTAAATCCTGCAGTAATCAGAAACAATCAGAGCCAAGACTTGGACAATCTTATTAAGTGA
 AACCTTCAGCTCTTAGAAACACTAATCGAGACCAGAACCTGGAAAAATTAATTGAAGTAAATTCTCATGT
 GTCTGAAAAACAAGATGGAAGCTTAACACTGGAGCAAGCAGGCAGGACCACAGGATACTGTTGTGTAC
 ACAAGGACATATGTGGAGAATAGTAAATCACCAAGGATGGATATCAGGAGAATATCTCTGAAAAATACA
 TACAAACTGTTTATTCAACTTCTGATAGGTCTGTCAATTGAAAGAGATATGTGCATTTACTGCCGAAAACC
 CTTGGGTGTAGAACTAAAATGATTTTAGATGAATTACAAATTTGCTGCCATTCTACTTGCTTTAAGTGT
 GAAATATGCAAGCAGCCTTTGGAAAAATCTACAAGCGGGTGATAGTATTTGGATTATAGACAGACAATAC
 ACTGTGAACCTTGCTACTCTAAAATATGGCAAAGTGGATTCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207214 representing NM_003843
 Red=Cloning site Green=Tags(s)

MSNVTLRKMSPTGNEMKSTTQGTTRKQQDFHEVNKRRTFLQDNSWIKRPEEEKDENYGRVVLNRHNSHD
 ALDRKVNEDVPKATISRYSSDDTLDRISDRNDAAKTYKANTLDNQLTNRSMVSFRSLEVTKLQPGGSLN
 ANTSNTIASTSATTPVKKKRQSWFPPPPPGYNASSSTGTRRREPVGHPPIPPKPSSPVSSNTQLRQDNQ
 IHPPKPGVYTETNRSARNI SEELDNLIKMNKSLNRNQGLDSLFRANPKVEEREKRAKSLES LIYMSTR
 DKDGGKIQSLGSPKIVNQRTDKNEKGRQNL ESKVNVARMNKTSRRSELDNATEVNPKGHENTTGKKDL
 DGLIKVDPETNKNITRGQSLDNLIKVTPEVKRSNQSKDLNNFIKVYPGTEKSTEGGQSLDSL IKVTPE
 NRTNQGNQDLENLIKVIPSANKSSEQGLDEHINVS PKAVKNTDGKQDLKLIKVNPEIFTNNQRNQDLAN
 LIKVNPVAVIRNNQSDLDNLIKVKPSALRNTNRDQNL ENLIEVNSHVSENKNGSSNTGAKQAGPQDTVY
 TRTYVENS KSPKQYQENISGKYIQTVYSTDRSVIERDMCTYCRKPLGVETKMILDELQICCHSTCFKC
 EICKQPLENLQAGDSIWIYRQTIHCEPCYSKIMAKWIP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003843

ORF Size: 2004 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.

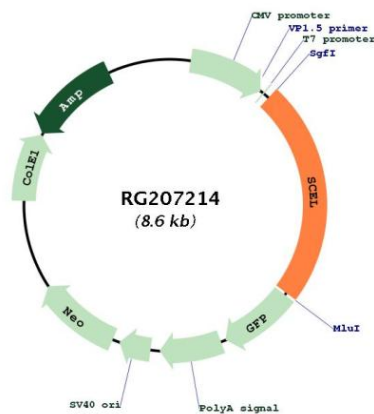
RefSeq: [NM_003843.2](#), [NP_003834.2](#)

RefSeq Size: 2381 bp

RefSeq ORF: 2007 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 RG207214