

Product datasheet for **MG215358**

Scel (NM_022886) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scel (NM_022886) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scel
Synonyms:	9230114I02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215358 representing NM_022886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAAATTTTTCTCTAGAAAAAGTCTCCAACCTGGAATGATCTGAAGAGCGCCCGGGGAGCTGAGC
 TGAGACAACAGGGTTTTACAGACGTGAACAAAAGAAGGGCTTTCTTACAGGACAACAGCTGGATAAAGAA
 GCCCCAGAGGAAGAACAAGACGAAATTTATGGCAGGGTGGTGTCAACCGGCACAACCTCCCATGATGCC
 TTGGACAGGAAATTAATAGAGAGAGATGAGCCAAAAGCCACAATTAGCCGGTACAGATCTGAGGACATGC
 TGGACAGAACTGTCTCATTAGAACGCCACAATCAACCAAGACGCCAGCTGTCAGCTCCTTCAATGC
 AAACACTACCGCCACAGCTTCAACCCCGCTACCACTCCTGTGAAGAAAAAGAGACAGTCTGGTCCCA
 CCACCCCTCCTGGTCACAATGCCTCTCCAAGCACAGCAGCCAGCAGAAGGGACCCAGCTCTGCACCCTC
 CACTCCCCCAAAGCCCTGTTCTCCATTGCTTCTCTAAACCATTGGGGCGGACTAATAGGCAGATACA
 TGCAGCTACAGCGGGGCATGTGGAGAAACAGAACGACATGCTGAAAGAAATATAAGGACTGAGGATCTC
 GATGACATCATCAGGGTGGCGGCTGCACCTTCAGAAAAGTACAAGGGTGAAGAATTTGGATAATCTCATCA
 GAATGAACAAAAGCTTGAACAGAAAACCAAGGTCTCGATGGCTCTTCCGAGCAAACCTGAAGGCACAGCA
 ATTGGACAAAAGAGCCAGAGCTTTGAAAGCCTGATCTATATGAACACACAGACGGACAGAGATGGCAAA
 GGAAATCAAGCCTTCGGGAGCCTTAAGAAAATCAACCAAGGGCTGACCCCGACAGAAGAAGCCAAGATC
 TCAGATCAGTTATCAGAACACATGCCACGGCTGAGAGAATCGGCAGAAGAAAACAAGACCTCGATGGACT
 GATTAAGTGAATCCTGACACAAATAAAAAATGAAGAGGGGCAAGAGCCTTGACAATTTACCAAAGGATTCCTGCAA
 ACCCCGGAAGTAAACAGAAGCAACAAAGGGGTCCAAGTCTTGACAATTTACCAAAGGATTCCTGCAA
 GGAGCAGAGCTAACCAAGGGACCAAGACCTGGACAGTCTTATCAAGGTGACCCCTCAGCAAACAGAAG
 CAGCCAGCACAGTCTTGATGAACTTATTAATACAAGCCCCAAACTATCAAAACTACTGCTAGACACCAA
 GATCTCGATAAGTTCATCAAAGTAAATCCTGATGTTCTCACAAACAACCAAGAAACCATGATGTAGACA
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 GAAGCCTTCTGCTCTCAGAAACACAAATGGAGGCCAGGACCTAGAAAGCTTAAGTAAATTTCTCAT
 GTGGCTGAGAAGAATGGGAGGATAGATGGCCAAGCCAATGGATTGACTAACAGTCTGTTCAAGGAGTCCA
 CAAGAGCCTCGGCTATTCTTATGAAGCCAGAACAGTCTCAGCTCCAATTTGAAACAAGAATGGTGG
 ACCCAAGGACACTGTTGTTTATACAAGGACATATGTGGAGAACAGTAAATACCAAAGGATGTTATCAG
 GAAAATATCTCAGAAAATATATACAAACCGTTTATTCAACTTCAGATAGGTCTGTCATTGAAAGAGACA
 TGTGCACTTACTGCCGCAAGCCCTTGGGGTGGAAACCAAGATGATTTTATAGATGAATTACAGATCTGTTG
 CCATTCACCTGCTTTAAGTGTGAAATATGCAAACGGCCTCTGGAAAATTTACAGGCAGGAGACAGTATT
 TGGATCTATAGGCAGACGATACACTGTGAGCCCTGCTACTCTAAAGTATGGCAAATGGATTACG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG215358 representing NM_022886
 Red=Cloning site Green=Tags(s)

MSNFSSRKSPTGNDLKSARGAELRQQGFQDVNKRRAFLQDNSWIKKPPEEEQDGNVGRVVLNRHNSHDA
 LDRKLIERDEPKATISRYRSEDMLDRTLSSFRTQPSTKTPAVSSFNANTTATASTPATTVPKKRQSWFP
 PPPPGHNASPSTAASRRDPALHPPLPPKPCSPIASPKPLGRNTNRQIHAATAGACGETERHAERNIRTEDL
 DDIIIRVAAALQKTDKGEELDNLIRMNKSLSLRNQGLDGLFRANLKAQQLDKRAQSLESLEYMNTQTDKRGK
 GNQAFGSLKQINQRADPDRRSQDLRSVIRTHATAERIGRRKQDLGLIKVNPDTNKNMKRGSLSLNLKIV
 TPEVNRSNKGGPSLDNFTKGVPARSRANQRDQDLDSLIVTPSANRSSQHSLELINTSPQTIKTTARHQ
 DLDFIKVNPDLTNNQRNHDVDSTIRGNPTGTRCEQSEELDNLKIVKPSALRNTNNGQDLESLETEVNSH
 VAEKNGRIDQANGLTNSLFKESTRASVYSYEARNLSLSSNSGKNGGPKDVTVVYTRTYVENSISPDKGYQ
 ENISGKIQTVYSTSDRSVIERDMCTYCRKPLGVETKMILDELQICCHSTCFKCEICKRPLENLQAGDSI
 WIYRQTIHCEPCYSKVMKWIQ

TRTRPLE – GFP Tag – V

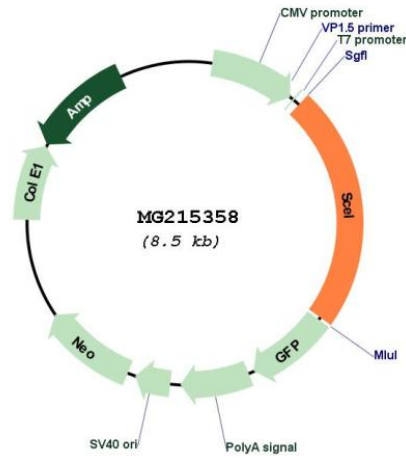
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_022886

ORF Size: 1956 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:	<ol style="list-style-type: none">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_022886.2 , NP_075024.2
RefSeq Size:	3053 bp
RefSeq ORF:	1959 bp
Locus ID:	64929
UniProt ID:	Q9EQG3
Cytogenetics:	14 E2.3
Gene Summary:	May function in the assembly or regulation of proteins in the cornified envelope. The LIM domain may be involved in homotypic or heterotypic associations and may function to localize sciellin to the cornified envelope (By similarity).[UniProtKB/Swiss-Prot Function]