

Product datasheet for **RG203203**

SC65 (P3H4) (NM_006455) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SC65 (P3H4) (NM_006455) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SC65
Synonyms: LEPREL4; NO55; NOL55; SC65
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203203 representing NM_006455
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCGGGTGGCGTGGGGCTGCTGTGGTTGCTGCTGGGCAGCGCCGGGGCGCAGTACGAGAAGTACA
 GCTTCCGGGGTCCCGCCGAGGACCTGATGCCGCTGGCCGCGGCGTACGGGCACGCTCTGGAGCAGTA
 CGAGGGAGAGAGCTGGCGCGAGAGCGCGCTACCTGGAGGCGGCGTGCAGGCTGCACCGGCTCCTGCGC
 GACAGCGAGGCCCTTCTGCCACGCCAACTGCAGCGCCCGCGCCCGGGCAAGCCCGATCCCGACGGCG
 GCCGCGCAGACGAGTGGGCTGCGAGCTCGGGCTCTTCGCGCCGCTCCTGGAGCGAGCCGCTGCCTGCG
 GCGCTGCAAGCGGACGCTGCCCGCTTCCAGGTGCCCTACCCGCGCGCAGCTGCTGCGTGACTTCCAG
 AGCCGCTGCCCTACCAGTACCTGCACTACGCGCTGTTCAAGGCTAACCGGCTGGAGAAGCGGTGGCGG
 CGGCTACACCTTCTCCAGAGGAACCCGAAGCAGGAGCTGACCGCAAGTATCTCAACTACTATCAGGG
 GATGCTGGACGTCGCGGACGAGTCCCTCACGGACCTAGAGGCCAGCCCTACGAGGCCGTGTTCTCCGG
 GCTGTGAAGCTCTACAACAGCGGGGATTTCCGCAGCAGCACGGAGGACATGGAGCGGGCCTTGTCAAGT
 ACCTGGCAGTCTTTGCCCGGTGCCTGGCCGGCTGTGAAGGGGCCATGAGCAGGTGGACTTCAAGGACTT
 CTACCCGGCCATAGCAGATCTCTTTGCAGAGTCCCTGCAGTGAAGGTGGACTGTGAGGCCAATTTGACC
 CCAATGTGGTGGTACTTTCGTGGACAAGTTCGTGGCCACCATGTACCCTACCTGCTGCTGCTGCTGCTGCT
 ATAAGTTGAATGATGTGCGCCAGGCTGCCCGCAGCGCCGCGCAGCTACATGCTCTTCGACCCCAAGGACAG
 CGTCATGCAGCAGAACCTGGTGTATTACCGGTTCCACCGGCTCGCTGGGCTGGAAGAGGAGGACTTC
 CAGCCCGGGAGGAGCCATGCTCTACCACAACCAGACCGCCGAGCTGCGGGAGCTGCTGGAGTTACCC
 ACATGTACCTGCAGTCAGATGATGAGATGGAGCTGGAGGAGACAGAACC GCCCTGGAGCCTGAGGATGC
 CCTATCTGACGCCGAGTTTGAGGGGGAGGGTACTACGAGGAGGGCATGTATGCTGACTGGTGGCAGGAG
 CCGGATGCCAAGGGTACGAGGCCGAGGCTGAGCCAGAGCCTGAAGTCCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203203 representing NM_006455
 Red=Cloning site Green=Tags(s)

MARVAWGLLWLLLSAGAQYKYSFRGFPPEDLMPLAAAYGHAEQYEGESWRESARYLEAALRLHRLLR
 DSEAFCHANCSGPAPAAKPPDPDGRADEWACELRLFGVLERAACLRCKRTLPAFQVPPRQLLRDFQ
 SRLPYQYLHYALFKANRLEKAVAAAYTFLQRNPKHELTAKYLNYYQGMLDVADESLTDLEAQPYEAVFLR
 AVKLYNSGDFRSSTEDMERALSEYLAVFARCLAGCEGAHEQVDFKDFYPAIADLFAESLQCKVDCEANLT
 PNVGGYFVDFVATMYHYLQFAYYKLNDRQAARSAASYMLFDPKDSVMQQLVYYRFRARWGLEEEDF
 QPREEAMLYHNQTAELELLEFTHMYLQSDDEMELEETEPPLEPEDALSDAEFEGEGDYEEGMYADWWQE
 PDAKGDEAEAEPEPELA

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006455

ORF Size: 1311 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_006455.3](#)

RefSeq Size: 2619 bp

RefSeq ORF: 1314 bp

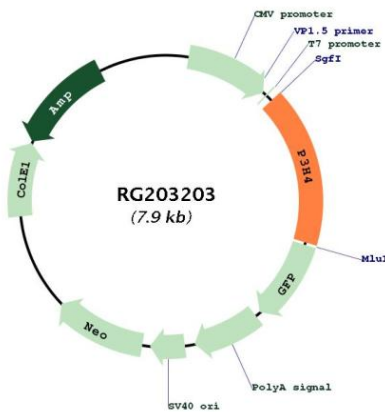
Locus ID: 10609

UniProt ID: [Q92791](#)

Cytogenetics: 17q21.2

Gene Summary: This nucleolar protein was first characterized because it was an autoantigen in cases on interstitial cystitis. The protein, with a predicted molecular weight of 50 kDa, appears to be localized in the particulate compartment of the interphase nucleolus, with a distribution distinct from that of nucleolar protein B23. During mitosis it is associated with chromosomes. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG203203