

Product datasheet for **RG204204**

SIL1 (NM_001037633) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIL1 (NM_001037633) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIL1
Synonyms:	BAP; MSS; ULG5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG204204 representing NM_001037633
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCCCAGAGCCTGCCTTCATCTAGGATGGCTCCTCTGGGCATGCTGCTTGGGCTGCTGATGGCCG
 CCTGCTTCACCTTCTGCCTCAGTCATCAGAACCTGAAGGAGTTTGCCTGACCAACCCAGAGAAGAGCAG
 CACCAAAGAAACGGAGAGAAAAGAAACCAAGCCGAGGAGGAGCTGGATGCCGAAGTCTGGAGGTGTTCC
 CACCCGACGCATGAGTGGCAGGCCCTTCAGCCAGGGCAGGCTGTCCCTGCAGGATCCACGTACGGCTGA
 ATCTTCAGACTGGGAAAGAGAGGCAAACTCCAATATGAGGACAAGTCCGAAAATAATTTGAAAGGCAA
 AAGGCTGGATATCAACACCAACACTACACATCTCAGGATCTCAAGAGTGCCTGGCAAAATTCAAGGAG
 GGGGCAGAGATGGAGAGTTCAAAGGAAGACAAGGCAAGGCAGGCTGAGGTAAGCGGCTCTCCGCCCA
 TTGAGGAACTGAAGAAAGACTTTGATGAGCTGAATGTTGTCATTGAGACTGACATGCAGATCATGGTACG
 GCTGATCAACAAGTTCAATAGTTCAGCTCCAGTTTGGAAAGAGAAGATTGCTGCGCTCTTTGATCTTGAA
 TATTATGTCCATCAGATGGACAATGCGCAGGACCTGCTTTCTTTGGTGGTCTTCAAGTGGTGATCAATG
 GGCTGAACAGCACAGAGCCCCTCGTGAAGGAGTATGCTGCGTTTGTGCTGGGCGCTGCCTTTTCCAGCAA
 CCCCAAGTCCAGGTGGAGGCCATCGAAGGGGGAGCCCTGCAGAAGTGCCTGGTCACTCTGGCCACGGAG
 CAGCCGCTCACTGCAAAGAAGAAGTCTGTTGCACTGTGCTCCCTGCTGCGCCACTTCCCCTATGCC
 AGCGGCAGTTCCTGAAGTCTGGGGGGCTGCAGGTCCTGAGGACCTGGTGCAGGAGAAGGGCACGGAGGT
 GCTCGCGTGCGCGTGGTCACTGCTCTACGACCTGGTACGGAGAAGATGTTCCGGCAGGAGGAGGCT
 GAGTGAACCCAGGAGATGCCCCAGAGAAGCTGCAGCAGTATCGCCAGGTACACCTCTGCCAGGCTGT
 GGGAAACAGGGCTGGTGCAGATCACGGCCACCTCCTGGCGCTGCCGAGCATGATGCCCGTGAGAAGGT
 GCTGCAGACACTGGGCGTCTCCTGACCACCTGCCGGGACCGCTACCGTACAGACCCCACTCGGCAGG
 ACACTGGCCAGCCTGCAGGCTGAGTACCAGGTGCTGGCCAGCCTGGAGCTGCAGGATGGTGAAGACGAGG
 GCTACTCCAGGAGCTGCTGGGCTCTGTCAACAGCTTGCTGAAGGAGCTGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204204 representing NM_001037633
 Red=Cloning site Green=Tags(s)

MAPQSLPSSRMAPLGMLLGLLMAACFTFCLSHQNLKEFALTNPEKSSTKETERKETKAEELDAEVLEVF
 HPTHEWQALQPGQAVPAGSHVRLNLQTEREAKLQYEDKFRNNLKGKRLDINTNTYTSQDLKSALAKFKE
 GAEMESSKEDKARQAEVKRLFRPIEELKKDFDELNVVIEITDMQIMVRLINKFNSSSSSLEEKIAALFDLE
 YYVHQMDNAQDLLSFGGLQVVINGLNSTEPLVKEYAAFVLGAFFSSNPKVQVEAIEGGALQKLLVILATE
 QPLTAKKKVLFALCSLLRHFYQRFKLGGLQVLRTLVQEKGTEVLAVRVVTLTYDLVTEKMFEEEEA
 ELTQEMSPEKLQYRQVHLLPGLWEQGWCEITAHLLALPEHDAREKVLQTLGVLLTTCRDRYRQDPQLGR
 TLASLQAEYQVLASLELQDGEDEGYFQELLGSVNSLLKELR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001037633

ORF Size: 1383 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_001037633.1](#), [NP_001032722.1](#)

RefSeq Size: 1996 bp

RefSeq ORF: 1386 bp

Locus ID: 64374

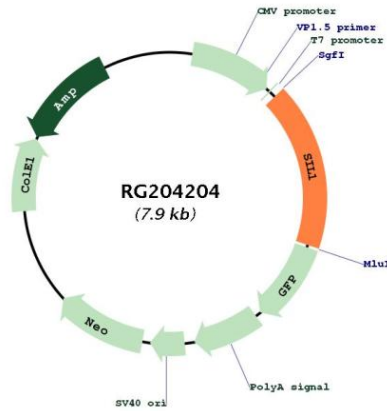
UniProt ID: [Q9H173](#)

Cytogenetics: 5q31.2

Protein Families: Protease, Secreted Protein, Transmembrane

Gene Summary: This gene encodes a resident endoplasmic reticulum (ER), N-linked glycoprotein with an N-terminal ER targeting sequence, 2 putative N-glycosylation sites, and a C-terminal ER retention signal. This protein functions as a nucleotide exchange factor for another unfolded protein response protein. Mutations in this gene have been associated with Marinesco-Sjogren syndrome. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG204204