

Product datasheet for **MG207424**

Sil1 (BC016119) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sil1 (BC016119) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sil1
Synonyms:	1810057E01Rik; AI042831; wz
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207424 representing BC016119
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCTCAGCACCTGCCTTCAACTAGGATGGCTCTCCAGGAATGCTGCTGGGGCTGCTGTTGACTT
 CCTGTTTAACTCTGCCTCAGCTGTCAGAACTCAAATAATTTTGCCTCACCACCCAGAGAAGAGCAT
 CCACCAGGAATCAGATACAAAGGAGACAGGGAAGAGGAGGAGCTAGACACCGAGATCCTGGAGGTGTT
 CACCCAACCAAGAGTGGCAGACCTTCAACCAGGTGAGGCTGTTCTGCAGGATCCCATGTGCGAATGA
 ACCTACAGACTGGAGTAAACGAGGTGAAGCTCCAACAAGAAGACAAATTTCAAAAATCTGAAAGGATT
 TAAAAGAGGCAGAAGGCTGGACATCAACGCCAACACATACACATCTCAGGACCTCAAGAGTGCCTGGCC
 AAATTCAGGAGGGGACCGAGATGGAGAATTCAAAGGATGAAGTGGCGAGACAGGCCACAGTCAAGCAGC
 TCTTCCGCCCCATTGAGGAGCTGAAGAAGGAATTTGATGAGCTGAACGTTGTTCTTGAGACTGACATGCA
 GATTATGGTTCGGCTGATAAACAAGTTCAACAGCTCCAGCTCCAGCCTAGAAGAGAAGGTTGCTGCGCTC
 TTTGATCTTGAGTACTATGTCCATCAGATGGATAACGCACAGGACCTGCTGTCTTTGGTGGCCTTCAAG
 TGGTGATTAATGGGCTCAACAGCACAGAACCCCTGGTGAAGGAGTATGCTGCTTTTGTGCTGGGGCCGC
 CTTTTCCAGCAATCCGAAGTCCAGGTGGAAGCCATCGAAGGGGGAGCCCTGCAGAAGCTGCTGGTCATC
 CTGGCCACAAACCAGCCTCTCCCCGCCAAGAAGAAGGTCCTGTTGCACTGTGCTCCCTGCTGCGCCACT
 TCCCCTATGCCAGCAGCAGTTCCTGAAGCTCGGGGGCTGCAGGTCTCAGGAGCTGGTACAGGAGAA
 GAGTGCAGAGGTACTGGCCGTGCGTGTGGTCACCTGCTCTATGACCTGGTCACTGAGAAGATGTTGCT
 GAGGAGGAGGCAGAGTTGACCCAGGATTCATCCCAGAGAAGCTGCAGCAGTATCGCCAGGTGCAGCTCC
 TGCCAGGCCTGCAGGAACAGGTTGGTGTGAGATCACCGCCAGCTCCTGGCCCTCCAGAGCATGATGC
 TCGGGAGAAGGTGCTGCAGACACTGGGTGCCCTCCTGACCACCTGCCGGGATCGCTACCGTCAAGGACCTC
 CAGTTGAGCAGGACACTAGGCGCTCTCCAAGCAGAGTACCAAGCCCTGGCCTCCCTGGAGCTCCAAGAAG
 GCGAAGATGATGGCTACTTCGGGAAGTCTGGCTCCATCAACAGCTTGATGAAGGAACTAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207424 representing BC016119
 Red=Cloning site Green=Tags(s)

MAPQHLPSTRMASPGMLLGLLLTSCLTCLSCQNSNNFALTNPEKSIHQESDTKETREEEELDTEILEVF
 HPTQEWQTLQPGQAVPAGSHVRMNLQTVNEVKLQQEDKFQNNLKGFKRGRRLDINANTYTSQDLKSALA
 KFKEGTEMENSKDELARQATVKQLFRPIEELKKEFDELNVVLETDMQIMVRLINKFNSSSSSLEEKVAAL
 FDLEYYVHQMDNAQDLLSFGGLQVVINGLNSTEPVKEYAAFVLGAFFSSNPKVQVEAIEGGALQKLLVI
 LATNQPLPAKKKVLFALCSLLRHFPYAQQQFLKLGGLQVLRSLVQEKSARKVLA VRVVTLTYDLVTEKMF
 EEEAELTQDSSPEKLQQYRQVQLLPGLQEQGWCEITAQLLALPEHDAREKVLQTLGALLTTCRDRYRQDL
 QLSRTLGRQLAEYQALASLELQEGEDDGYFRELLASINSLMKELR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<u>BC016119</u> , <u>AAH16119</u>
RefSeq Size:	1689 bp
RefSeq ORF:	1397 bp
Locus ID:	81500
Cytogenetics:	18 B1-B2
Gene Summary:	Required for protein translocation and folding in the endoplasmic reticulum (ER). Functions as a nucleotide exchange factor for the ER luminal chaperone HSPA5 (By similarity). [UniProtKB/Swiss-Prot Function]