

Product datasheet for **MR207426**

Sil1 (NM_030749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sil1 (NM_030749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sil1
Synonyms:	1810057E01Rik; AI042831; wz
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207426 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCTCAGCACCTGCCTTCAACTAGGATGGCTCTCCAGGAATGCTGCTGGGGCTGCTGTTGACTT
 CCTGTTTAACTCTCGCTCAGCTGTCAGAACTCAAATAATTTTGCCTCACCACCCAGAGAAGAGCAT
 CCACCAGGAATCAGATACAAAGGAGACAGGGAAGAGGAGGAGCTAGACACCGAGATCCTGGAGGTGTT
 CACCCAACCAAGAGTGGCAGACCTTCAACCAGGTGAGGCTGTTCTGCAGGATCCCATGTGCGAATGA
 ACCTACAGACTGGAGTAAACGAGGTGAAGCTCCAACAAGAAGACAAATTTCAAAAATCTGAAAGGATT
 TAAAAGAGGCAGAAGGCTGGACATCAACGCCAACACATACACATCTCAGGACCTCAAGAGTGCCTGGCC
 AAATTCAGGAGGGGACCGAGATGGAGAATTCAAAGGATGAAGTGGCGAGACAGGCCACAGTCAAGCAGC
 TCTTCCGCCCATGAGGAGCTGAAGAAGGAATTTGATGAGCTGAACGTTGTTCTTGAGACTGACATGCA
 GATTATGGTTCGGCTGATAAACAAGTTCAACAGCTCCAGCTCCAGCTAGAAGAGAAGGTTGCTGCGCTC
 TTTGATCTTGAGTACTATGTCCATCAGATGGATAACGCACAGGACCTGCTGTCTTTGGTGGCCTTCAAG
 TGGTGATTAATGGGCTCAACAGCACAGAACCCTGGTGAAGGAGTATGCTGCTTTTGTGCTGGGGCCGC
 CTTTTCCAGCAATCCGAAGTCCAGGTGGAAGCCATCGAAGGGGAGCCCTGCAGAAGCTGCTGGTCATC
 CTGGCCACAAACCAGCCTCTCCCGCCAAGAAGGTCCTGTTGCACTGTGCTCCCTGCTGCGCCACT
 TCCCCTATGCCAGCAGCAGTTCCTGAAGCTCGGGGCTGCAGGTCTCAGGAGCTGGTACAGGAGAA
 GAGTGCAGAGTACTGGCCGTGCGTGTGGTCACCTGCTCTATGACCTGGTCACTGAGAAGATGTTGCT
 GAGGAGGAGGCAGAGTTGACCCAGGATTCATCCCAGAGAAGCTGCAGCAGTATCGCCAGGTGCAGCTCC
 TGCCAGGCTGCAGGAACAGGTTGGTGTGAGATCACCGCCAGCTCCTGGCCCTCCAGAGCATGATGC
 TCGGGAGAAGGTGCTGCAGACACTGGGTGCCCTCCTGACCACCTGCCGGGATCGCTACCGTCAGGACCTC
 CAGTTGAGCAGGACACTAGGCGCTCCTCAAGCAGAGTACCAAGCCTGGCTCCCTGGAGCTCCAAGAAG
 GCGAAGATGATGGCTACTCCGGGAAGTCTGGCTCCATCAACAGCTTGATGAAGGAACAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207426 protein sequence
 Red=Cloning site Green=Tags(s)

MAPQHLPSTRMASPGMLLGLLLTSLTLCLSCQNSNNFALTNPEKSIHQESDTKETREEEELDTEILEVF
 HPTQEWQTLQPGQAVPAGSHVRMNLQTGVNEVKLQEDKFQNNLKGFKRGRRLDINANTYTSQDLKSALA
 KFKEGTEMENSKDELARQATVKQLFRPIEELKKEFDELNVVLETDMQIMVRLINKFNSSSSSLEEKVAAL
 FDLEYVVHQMDNAQDLLSFGGLQVINGLNSTEPVKEYAAFVLGAFFSSNPKVQVEAIEGGALQKLLVI
 LATNQPLPAKKKVLFA LCSLLRHFPYAQQQFLKLGGLQVLRSLVQEKSAKVLAVRVVTLTYDLVTEKMF
 EEEAELTQDSSPEKLQYRQVQLLPGLQEQQWCEITAQLLALPEHDAREKVLQTLGALLTTCRDRYRQDL
 QLSRTLGRQLQAEYQALASLELQEGEDDGYFRELLASINSLMKELR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_030749

ORF Size: 1398 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_030749.2](#), [NP_109674.2](#)

RefSeq Size: 1715 bp

RefSeq ORF: 1398 bp

Locus ID: 81500

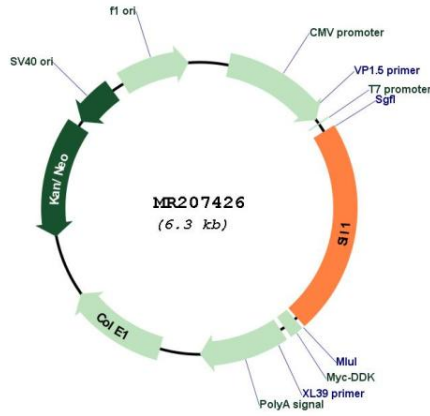
UniProt ID: [Q9EPK6](#)

Cytogenetics: 18 B1-B2

MW: 52.4 kDa

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]

Product images:



Circular map for MR207426