

Product datasheet for **RC238967**

SLFN12 (NM_001289009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLFN12 (NM_001289009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLFN12
Synonyms:	SLFN3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238967 representing NM_001289009
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAACATCAGTGTGTTGATTGGAAACGAATTATGCCGAGTTGGTTCTAGATGTGGAAGAGTCACCTTTG
 GAGAGAACAGTAGGAAAAAATGAAGGATTGTAACTGAGAAAAAGCAGAATGAAAGTGTCTCAGGAGC
 TATGTGTGCTCTGCTCAATTCTGGAGGGGAGTGATCAAGGCTGAAATTGAGAATGAAGACTATAGTTAT
 ACAAAGATGGAATAGGACTAGATTTGAAAAATCTTTTAGTAACATTCTGTTATTTGTTCTGAGTACT
 TAGACTTCATGCAGAATGGTAACACTTTCTGATTTTTGTGAAGTCATGGAGCTTGAACACCTCTGGTCT
 GCGGATTACCACCTTGAGCTCCAATTTGTACAAAAGAGATATAACATCTGCAAAAGTCATGAATGCCACT
 GCTGCACTGGAGTTCCTCAAAGACATGAAAAAGACTAGAGGGAGATTGTATTTAAGACCAGAATTGCTGG
 CAAAGAGGCCCTGTGTTGATATACAAGAAGAAAAAATACATGAAGGCCCTGGCCGGGGTTTTTTTTGATAG
 AACAGAACTTGATCGGAAAGAAAAATTGACCTTTACTGAATCCACACATGTTGAAATTAATACTCTCG
 ACAGAAAAGTTGTTACAACGAATTAAGAGATTCTCCCTCAATATGTTTCTGCATTTGCAAACTACTGATG
 GAGGATATTTGTTCAATTGGTTTAAATGAAGATAAGAAATAATTGGCTTTAAAGCAGAGATGAGTGACCT
 CGATGACTTAGAAAGAGAAATCGAAAAGTCCATTAGGAAGATGCCTGTGCATCACTTCTGTATGGAGAAG
 AAGAAGATAAATTATTCATGCAAAATCCTTGGAGTATATGATAAAGGAAGCTTTGTGGATATGTCTGTG
 CACTCAGAGTGGAGCGCTTCTGCTGTGCAGTGTGCTAAAGAGCCTGATTCCTGGCATGTGAAAGATAA
 CCGTGTGATGCAGTTGACCAGGAAGGAATGGATCCAGTTCATGGTGGAGGCTGAACCAAAATTTCCAGT
 TCATATGAAGAGGTGATCTCTCAATAAATACGTCATTACCTGCTCCCCACAGTTGGCCTCTTTTGAAT
 GGCAACGCGCAGAGACATCACTGTCCAGGGCTATCAGGAAGGATAACGTATACTCCAGAAAACTTTGCAG
 AAACTGTTCTTACAACATGAAGGACTTAAGCAATTAATATGTGAAGAAATGGACTCTGTCAGAAAGGGC
 TCACTGATCTTCTCTAGGAGCTGGTCTGTGGATCTGGGCTTGCAAGAGAACCACAAAGTCTCTGTGATG
 CTCTTCTGATTTCCAGGACAGTCTCCAGTCTATACACCTTCCACATGGTACAGGATGAGGAGTTTAA
 AGGCTATTCTACACAACTGCCCTAACCTTAAAGCAGAAGCTGGCAAAATTTGGTGGTTACACTAAAAAA
 GTGTGTGTCATGACAAAGATCTTCTACTTGAGCCCTGAAGGCATGACAAGCTGCCAGTATGATTTAAGGT
 CGCAAGTAATTTACCCTGAATCCTACTATTTACAAGAAGGAAATCTTGCTGAAAGCCCTTTTAAAGC
 CTTAAAGAGACTCAAGTCTCTGAGAGACCAGTTTCTTTGCAGAAAATCTATACCAGATAATCGGTATA
 GATTGCTTTCAGAAGAATGATAAAAAGATGTTTAAATCTTGTCGAAGGCTCACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238967 representing NM_001289009
 Red=Cloning site Green=Tags(s)

MNISVDLETNYAELVLDVGRVTLGENSRKKMKDKLRKKQNESVSRAMCALLNSGGGVIAEIEINEDYSY
 TKDGIGLDLENSFSNILLFVPEYLDPMQNGNYFLIFVKSWSLNTSGLRITTLSSNLYKRDITSKVMNAT
 AAELFLKDMKKTRGRLYLRPELLAKRPCVDIQEENNMKALAGVFFDRTELDRKEKLTFTETHVEIKNFS
 TEKLLQRIKEILPQYVSFAFANTDGGYLFIGNEDKEIIGFKAEMSDLDDEREIEKSIRKMPVHHFCMEK
 KKINYSCKFLGVYDKGSLCGYVCALRVERFCCAVFAKEPDSWHVKDNRMQLTRKEWIFQMVEAEPKFSS
 SYEEVISQINTSLPAPHSWPLLEWQRQRHHCPGLSGRITYTPENLCRKLFLQHEGLKQLICEEMDSVRKG
 SLIFSRWSVDLGLQENHKVLCALLISQDSPVLYTFHMQDEEFKGYSTQATLTKQLAKIGGYTKK
 VCVMTKIFYLSPEGMTSCQYDLRSQVIYPESYFTRRKYLKALFKALKRLKSLRDQFSFAENLYQIIGI
 DCFQKNDKMKFKSCRRLT

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001289009

ORF Size: 1734 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001289009.2](#)

RefSeq Size: 2465 bp

RefSeq ORF: 1737 bp

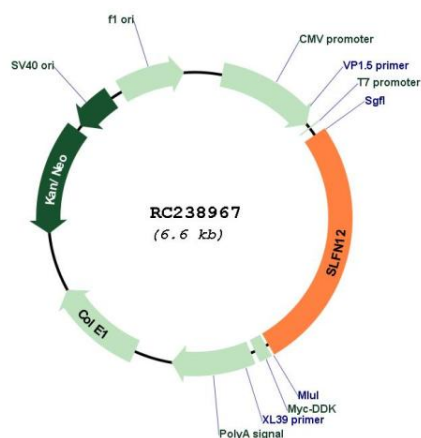
Locus ID: 55106

UniProt ID: Q8IYM2

Cytogenetics: 17q12

MW: 67.4 kDa

Product images:



Circular map for RC238967