

Product datasheet for **RG205566**

SLFN1 (NM_144990) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SLFN1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205566 representing NM_144990
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCCCATGAAGAGATCAGTGCAAACACAGGTGTCAGAGCCCTTCATGGAGTCCTGGGGTGAGGAGT
CCCTGCCGGAGCTACCCGACAGCAGTCCCTGACGGAGTACTCTGACCTCGAGGAGGCTCCCTCGGCGCA
CACTCTCTATGTGGGCCATCTGAACCCCAAGTTCTCAGTGCCGGTGCTTGCCTGCCTGCTGCGAGACACC
CTGGAGCGGCTGGAGATGCCGGTGGCGCGGGAGCACATTGAAGTGGTGAGGCGGCCGCGGAAGGCCTATG
CACTGGTGACAGGTGACTGTCCACAGGGACACCTGGCCTCCCTCCCTGGCGCCTGCAGACGGCCCTGGA
GGAGCACCTAATCCTCAAGGAGCTGGCAGCCAGTGGGAAGGACCTGCTATTGAGTGAGGCCCAAGGGCCC
TTCAGCCACAGAGAGGAGAAGGAGGAGGAGGAGGAGGACAGTGCCCTGAGCCCTGGCCCCAGTCCAGGCT
CTGGTGTCCTCGCTGCCACCTGGCCTACACACAGCTGCCTGATAGGCCCCAGGCCAGCAGCTGCAGAG
CTGCCAGGGCCGGCCAGCGGCGTGTGCTCCGACAGTGCCATTGTGCACCAGCAGATCGTGGGCAAGGAC
CAGCTCTTCCAGGGTGCCTTCTGGGACGAGACCCGCAATATGGAGTTCAAGCGGGTAGCGGCGAGT
ACCTCAGCCTGGCCTTCAAGCACCAGTGCGGCGCTACGTGTGCGCCTTCTCAACAGCGAGGGCGGCAG
CCTGCTCGTGGGAGTAGAGGACAGCGGCCTGGTGCAGGGCATCCGCTGCAGCCACCGTGACGAGGACCGC
GCACGCCTGCTGGTGGACTCCATCTGCAGGGCTTCAAGCCTCAGATCTTCCCGATGCCTACACTCTCA
CCTTCATCCCTGTGATCAGTACCTCGGAGACAGCGTCCCCCTCAAGGTGATCCGCTGACCGTGACAC
CCCCAAGGCCAGAGCCAGCCGCACTCTACCAGACAGACCAGGGGAGGTGTTTCTGCGGCGCGACGGG
AGCATCCAGGGCCCGTGTCTGCCAGCGCATCCAGGAGTGGTGCAGGCAGAGGTGGCTGGTGGAGCTGG
GCAAGCTGGAAGAGAAGATGAAGGCGCTGATGATGGAGAAGGAGCAGCTCCAGCAGCAGCTGCAGCAGCA
CGGGCCTGTGCTGCACCTGCTGTCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205566 representing NM_144990
Red=Cloning site Green=Tags(s)

MTPMKRSVQTQVSEPFMESWGEEESLPPEAEQSLTEYSDLEEAPSAHTLYVGHLPQFSVPVLACLLRDT
LERLEMPVAREHIEVVRPRKAYALVQVTVHRDTLASLPWRLQTALEEHLILKELAAAGKDLLLSEAQGP
FSHREEKEEEEEDSGLSPGSPSGVPLPTWPTHLPDRPQAQQLQSCQGRPSGVCSDSAIVHQQIVGKD
QLFQGAFLGSETRNMEFKRGSGEYLALAFKHHVRRYVCAFLNSEGSLLVGVEDSGLVQGIRCSHRDED
ARLLVDSILQGFKPQIFPDAYTLTFIPVISTSETSVPLKVIRLTVHTPKAQSQPQLYQTDQGEVFLRRDG
SIQGPLSASAIQEWCRQRWLVELGKLEEKMKALMMEKEQLQQQLQGHVPVSTCCVL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144990

ORF Size: 1221 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_144990.2](#), [NP_659427.2](#)

RefSeq Size: 1969 bp

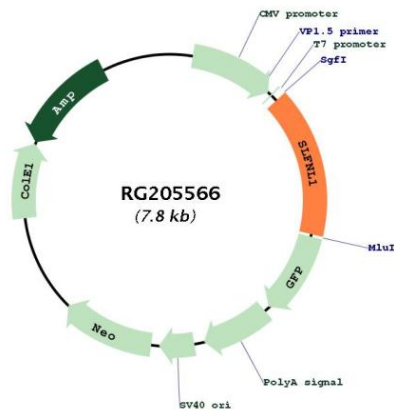
RefSeq ORF: 1224 bp

Locus ID: 200172

UniProt ID: [Q499Z3](#)

Cytogenetics: 1p34.2

Product images:



Circular map for RG205566