

## Product datasheet for **RN214922**

### **Slfn13 (NM\_001013970) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slfn13 (NM_001013970) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slfn13
Synonyms:	Slfn8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214922 representing NM\_001013970  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAATTCATCCCTCCTTAGTGGTGGAAACCGTCTTACCCAGACTTGATCATCCATGCAGGAGAGGTGA  
 CACTCGGAGAAAAAGATCGAAATAAAATGGACTCGAAGAAGAAGAGACTGGAGAAAAGCAAGAATCACAGA  
 GGCTGCTTGTGCTCTGTTGAACTCTGGAGGAGGAGTGATTGTTATGCAAAATGTCCAACAAGAGCGGAGCAT  
 CCTGTGGAGATGGGACTGGACTTGGAGACGTCTTTAAGAGAGCTTATTCCATCCTCTGATTTGCAGGCTT  
 TCATTGAGACCAAGCAACAAGGGGACCTGTTTTACATTTTTGTTAAATCTTGGAGCTGTAGCCCTAAAGA  
 TGGTTCCACTAAGCCTCGAATTTGCAGCCTGAGCTCTCCCTGTACTGTCGATCTTTAACTTCAAAGCTT  
 CCCCTGGATTGAAAGAAACGTTTGAGTTTCTGGAGCGCAAGAAGACGTGTGCAAAGGTAGTCTGACTG  
 ACGGCAAAGGTCCACCTGCTAAAATCCCAGACTCATGTATCAGAACGACCTTGAATCAAATCCCGCTTT  
 TGAATTTTCAAAGTGAGAGACTCGAATATGGCCAGCGCTTGGCGTTTTCTGAATCTGCATCTATCGAG  
 TTTAAACAATTCCTACAGACGTGCCACGAATATATAAAAAGTGAATTCAGAGTACATTTCCGCAT  
 TTGCAACACCCAGGGAGGCTATCTTTATTTGGGGTGGATGATGAGAGTAAAGAGAGTCTGGGATGCC  
 AAAAGACAATGTTGACCGCGACTCTTTGAAAGCAGTGGTAAATGAAGCAATATCCAAGTTGCCAGTTTTT  
 CATTTTTGTTTCTAAAGAGAAGGTGTCTATAAGACCAGAGTCATAGATGTGTTAAAGAAGGAAATT  
 TGTATGTTATCTCTGTGTGATCAAAGTAGAGAGGTTCTGCTGTGCAATTTCTCAGAGGCTCCCATTTT  
 ATGGATGGCAGACAAGGAGAACGGTGTCTACAGCCTGAACACTGAGAAAATGGGTTGCGATGATGGTGGAT  
 ATGGCCAGAGGAGCTTCCAGCAAGCAATCCCTCCGATGACCTGTCTAAAGATTTGATGATGATGATG  
 TGAGTGTGTTCAAAGCCTCCACTGCAGACCTGATTTCTAAAAAGGACTGGAACATAAAGGGGA  
 CCTGCAAAAGCGTTTATTCAAGTGTGAGCAGACTGTTTTAAGTATACTCCTGAATCCCTCTGGAGAGAG  
 CTGTGTTCCAGCATGAGAGACTAGAGAACTTAATAAGCCAGCAATGTGTTCTTTCTCCTGTGTTTGC  
 TGATCCTCTAGAAAGCTGGGCTGTGGACCTGAACCTGGAAGGGAAGCAGGGAGTCATCTGTGATGCTCT  
 GCTCATTGCAGAGAATAGCCCCCGACTCTACACCATCCTTGAGGAGCAAGATGAGCTAGGTCAGGAC  
 TACTGCACCCGACTGCCTTTACTCTGAAGCAGAAGCTGGTGAACACTGGTGGCTACTGGGAGAGTGT  
 GTGTCATGACCAAGGTTCTGCCTGAGTTCTCAGAACAATATTGAGACCAATGGAACTCAGTTTCTCT  
 TATTGATTACCCAGCTCCTATAACCTTGCAAATATCCAGAAAATGGAGGACTTGTGCAGGCCCTGTG  
 ATTTGCTTGTCAACTCAGCTTTTCTGAGCGACCAGCTTGGCTGTGAAATTTGAACTTCTCACAG  
 TTCAACAGTATGAGATACTCTAAAAAGTCTCCAAAAACAGAAAAGTGTGTCATGGCATGCCAGG  
 CTCAGGGAAGACCATCATTGCCATGAAAATCATGGAAAAGATCAAAAACACATTCCTGTAAGAGAT  
 AGCATTCTCTACATCTGTGAAAATCAGCTGTTGAGGGACTTCATCCGGGCAAAAATGTCTGCCGGGCGAG  
 TAACCCGGAACCTTTATGACACCTAAGTTGAGGTGGAGAAGATCCAACACATTATTGTTGATGAAGC  
 CCAGAATTTCCGACTGAGAATGGGACTGGTATATGAAGGCAAAGCGTATCACTCAGAGAATGAAAAGT  
 TGTCTCAAATTTCTGGATCTTTCTGGACTATTTTCCAGACAGTACCAGAAAGGAGTGGCCTCCAG  
 ATTTCTTACACAGTATCCAAGGAAGAGCTCACAAAAGTGGTACGCAATGCAGATAAAAAGCTGAATT  
 TCTACAAAAAATATCAGAGAAAATCAGAAGTAACCCCTCCACCCATCATCCCCGAGAGTCCCTGAACATG  
 GTCTGTGAGTTAACTGGTCTCAAGGTGTATCAGGCACCTGTAAGCTGTTACATCCTTGGGTTTGGAAC  
 AGATGGCGAGGTATGTAGCAGAGAGGTGTTATTTTTCTTGA AAAATGGCTATTCCGCCAAGACATTGC  
 AGTGCTTTTCAGTACAGAGGATGAGAAGGATAACAATGAAGATATGTTCTGAGAGAAAATAGGAACAGA  
 ACATCTCAGATAGATGATGCCTATCATCTTTACATGTTTGACAGCATACTCGATTCTCGGGCTAGAAA  
 GAAGCATTGTGTTGGTATTGATCCCCGTACAGCTGAGAAGTCCATTTCCACAACCTAATGCTCTGCC  
 AGCTTCCAGAGCGAGGAAACATCTGTATATCCTATCTAAAGTACCAACCTTTCAACTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001013970

<b>Insert Size:</b>	2724 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001013970.1</a></u> , <u><a href="#">NP_001013992.1</a></u>
<b>RefSeq Size:</b>	3396 bp
<b>RefSeq ORF:</b>	2724 bp
<b>Locus ID:</b>	303378
<b>UniProt ID:</b>	<u><a href="#">Q5U311</a></u>
<b>Cytogenetics:</b>	10q26
<b>Gene Summary:</b>	Endoribonuclease that cleaves tRNAs and rRNAs (PubMed:29563550). Cleaves tRNAs 11 nucleotides from the 3'-terminus at the acceptor stem (PubMed:29563550). Does not act on tRNA(Sec) (PubMed:29563550).[UniProtKB/Swiss-Prot Function]