

## Product datasheet for **MC228433**

### **Slfn4 (NM\_001302559) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slfn4 (NM_001302559) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slfn4
Synonyms:	AI450778
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228433 representing NM\_001302559  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGGAACACCCACAGCTGGAGAAAGATGTGAATCCACAGACATCCATAGAGCCCTCTGTCAAG  
 TCAAGTGTCCAGGGGATATTCTTCAGGGAGGACGGCATGCCAAGCGAGGAAGATGGATGGCGTCGTGGAA  
 AGGATTTTCATCTGGGAAGGAGAGACAGTACTGCAAAATGAACATCACTGTTCGATCAGGACACGGACTAC  
 GCTGAACTGGTTCTGTCTGTAGGAGAAATCACACTCGGAGAGAAGACTAGGGATTCAATGAAAGATAGCC  
 AACTGAGAAGAAAAGAAGCCAAAAGTATATTACAGGCTGTGTGCACCCTGCTGAATTCGGAGGGGTGT  
 GGTCAAGGCTCACATTAATAAATCAAACACAGCTTACCAGAGATGGAATGGGACTGGATTTGGTAAAT  
 CCCTTGCCTGGTATCCTGCACCTTCCTCATGACTATCTAGACTTCATGCAGTACAACGACTACTTTTTCC  
 TTTTGTGAAACCATGGAAGCCGAATCAGAGAGGTCGGGGATCGCCACCTGGAAAACCACTTGTACAA  
 GAGAATCTTCTATTCTCAGTTGAACTGAAAGCAGCGGATGCAGTGCAGTTCCTCAAATCCAGACCAAGT  
 TCCCATGGAAAAACAGTCTGTAATGAAACACTAAATGAATGTCTTTCCTATTTAACAGAGACTGGCTTG  
 CCTATGAGGAGACATTCTGTTTCACTAAATCCACACATGCTGAAGTAAAATTGACTCCTAAGGAAAAGAT  
 TTCTCCTAAGGAAAAGATTTTAGAGCTCCTCCCTCAAACCTGTTTCTGCATTTGCAAACTGATGGGGGA  
 TATTTGTTTATTGGCTTGGATGGCAAAACGCAGCAAATATTGGTTTTGAAGCAGAGAAGAGCGATCTCG  
 TGCTTCTAGAGAGTGAATAGAAAAGTGCATCCAACAGCTGCCTGTCACACTCTCTGTGAGGAGAAGGA  
 GAAGATCAAGTACACGTGCAAAATTCATCGAAGTGCACAAATCCGGAGCTGTGTGCATATGTGTGCCG  
 ATCAGATGGAGAAGTTCTGCTGTGCAGTGTTCGCTGCAGAGCCTGAGTCTGGCACGTGGAAGGCAGCT  
 GTGTGAAGAGGTTTACCACAGAGGAATGGGTGAAGCGCCAGATGGATGCCACTGCAGTATGCCTGGAAA  
 GGTGATATGCTCTCCAGAAGCCCTCTGCATGAAACCAATTCACAAACATGAAGGCTATGAGCAGTTAGTC  
 CGGACAGAATTGGGCTCCCTGCGTAAAGGAACACTGGTTGTCTCCAAGAGCTGGGCTTGGATCTGGGCT  
 TGCAAGAGAAGCAGGAAGTTATCTGGGATGTGCTTCATATTTCCAGGGCAGTCTCCTGACCCTGCATGT  
 CTTTGTCCAGGGAGATGAGAACCCTGGAAGGCAACAGCAGTCTTCTTGGGAACTAGGCGCCGAGTTAAAG  
 GGCTATTATAAACAATTTGCCCTAACATTAAGCAGACGTTGGTAAACCATTGTGGTTACTACTGCGAAAA  
 TAGGTATTATAGTAAAGATAACATACTTGGGTCATAAGACAATGTGTCTTTATGACTCAAGCGCGAAAAAT  
 ATGTTACCCCAAATATATTATCTGACTACCAAGGCAGTAAAGGACTTAGAAAAAGCTCTCGCTGAAATC  
 TTAGGAAGTTATGAGTCTTCTACAGTTTACCCAGGAGAACTGGGATTCTTTTATGCTCGGTTTTTAA  
 ATGTGGGCAGTTATATAGTTTACTTTTCGAGAAATGCTTAACTCATATTCGAAT**CTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001302559
- Insert Size:** 1809 bp
- OTI Disclaimer:** 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001302559.1](#), [NP\\_001289488.1](#)

**RefSeq Size:** 3878 bp

**RefSeq ORF:** 1809 bp

**Locus ID:** 20558

**Cytogenetics:** 11 C

**Gene Summary:** The protein encoded by this gene belongs to the Schlafen family. All members of this family contain a Schlafen box domain that lies near an AAA domain. This protein belongs to the group 2 subset of Schlafen proteins, which are defined by a molecular weight between 58 kDa and 68 kDa and by the presence of a SWADL domain that contains the sequence Ser-Trp-Ala-Asp-Leu. In malignant melanoma cells, gene expression is up-regulated in response to interferon alpha. In bone marrow-derived macrophages, expression of this gene is induced during activation by Toll-like receptor agonists and repressed during macrophage colony-stimulating factor-mediated differentiation. Myelopoiesis is disrupted by constitutive overexpression in myeloid-lineage cells. A pseudogene of this gene is found on chromosome 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.