

## Product datasheet for **SC338066**

### SLIT2 (NM\_001289135) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLIT2 (NM_001289135) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLIT2
Synonyms:	SLIL3; Slit-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001289135, the custom clone sequence may differ by one or more nucleotides

```
ATGCGCGCGCTTGGCTGGCAGATGCTGTCCCTGTCGCTGGGGTTAGTGCTGGCGATCCTGAACAAGGTGG
CACC CGCAGGCGTGCCCGGCGCAGTGCTCTTGCTCGGGCAGCACAGTGGACTGTCACGGGCTGGCGTGCG
CAGCGTGCCAGGAATATCCCCCGCAACACCGAGAGACTGGATTTAAATGGAAATAACATCACAAGAATT
ACGAAGACAGATTTTGTGGTCTTAGACATCTAAGAGTCTTCAGCTTATGGAGAATAAGATTAGCACCA
TTGAAAGAGGAGCATTCCAGGATCTTAAAGAAGTACAGAGACTGCGTTTTAAACAGAAATCACCTTCAGT
GTTTCCTGAGTTGCTGTTTCTTGGGACTGCGAAGCTATACAGGCTTGATCTCAGTAAAACCAAATTCAG
GCAATCCCAAGGAAAGCTTCCGTGGGGCAGTTGACATAAAAAATTTGCAACTGGATTACAACAGATCA
GCTGTATTGAAGATGGGGCATTACAGGGCTCTCCGGGACCTGGAAGTGCTCACTCTCAACAATAACAACAT
TACTAGACTTTCTGTGGCAAGTTTCAACCATATGCCTAAACTTAGGACTTTTCGACTGCATTCAACAAC
CTGTATTGTGACTGCCACCTGGCCTGGCTCTCCGACTGGCTTCGCCAAAGGCCTCGGGTTGGTCTGTACA
CTCAGTGTATGGGCCCTCCACCTGAGAGGCCATAATGTAGCCGAGGTTCAAAAACGAGAAATTTGTCTG
CAGTGATGAGGAAGAAGTCCACAGTCAATTTAGGCTCCTTCTGTAGTGTTTTGCACTGCCCTGCCGCC
TGTACCTGTAGCAACAATATCGTAGACTGTCGTGGGAAAGGTCTCACTGAGATCCCACAAAATCTCCAG
AGACCATCACAGAAATACGTTTGGAACAGAACACAATCAAAGTCAATCCCTCCTGGAGCTTTCTCAACATA
TAAAAGCTTAGACGAATTGACCTGAGCAATAATCAGATCTCTGAACTTGACCAGATGCTTTCCAAGGA
CTACGCTCTCTGAATTCACCTTGCTCTATGGAAATAAAATCACAGAACTCCCCAAAAGTTTATTTGAAG
GACTGTTTTCTTACAGCTCCTATTATTGAATGCCAACAAAGATAAACTGCCTTCGGGTAGATGCTTTTCA
GGATCTCCACAACCTTGAACCTTCTCCTATATGACAACAAGCTTACAGCCATCGCCAAGGGGACCTTT
TCACCTCTTCGGGCCATTCAAATATGCATTTGGCCAGAACCCCTTTATTTGTGACTGCCATCTCAAGT
GGCTAGCGGATTATCTCCATACCAACCCGATTGAGACCAGTGGTGCCGTTGCACCAGCCCCCGCCGCT
GGCAAACAAAAGAATTGGACAGATCAAAAGCAAGAAATCCGTTGTTGAGTACAGAAGATTATCGATCA
AAATTAAGTGGAGACTGCTTTGCGGATCTGGCTTGCCCTGAAAAGTGTGCTGTGAAGGAACACAGTAG
ATTGCTCTAATCAAAGCTCAACAAAATCCCGGAGCACATTCCCCAGTACTGCAGAGTTGCGTCTCAA
```



[View online »](#)

TAATAATGAATTTACCGTGTGGAGCCACAGGAATCTTTAAGAACTTCTCAATTACGTAAAATAAAC  
 TTTAGCAACAATAAGATCACAGATATTGAGGAGGGAGCATTGGAAGGAGCATCTGGTGTAATGAAATAC  
 TTCTTACGAGTAATCGTTTGGAAAATGTGCAGCATAAGATGTTCAAGGGATTGGAAGCCTCAAACTTT  
 GATGTTGAGAAGCAATCGAATAACCTGTGTGGGAATGACAGTTTCATAGGACTCAGTTCTGTGCGTTTG  
 CTTTCTTGTATGATAATCAAATTAACAGTTGACCCAGGGCATTGATACTCTCCATTCTTTATCTA  
 CTCTAAACCTCTGGCCAATCCTTTAACTGTAACCTGCTACCTGGCTTGGTTGGGAGAGGCTGAGAAA  
 GAAGAGAATTGTCACGGGAAATCCTAGATGTCAAAAACCATACTCTGAAAGAAAATACCCATCCAGGAT  
 GTGGCCATTACAGACTTCACTTGTGATGACGGAAATGATGACAATAGTTGCTCCCACTTTCTCGCTGTC  
 CTAAGTGAATGACTTGGTGGATACAGTCGTCGATGTAGCAACAAGGGTTTGAAGGTCTTGCCGAAAGG  
 TATTCCAAGAGATGTCACAGAGTTGATCTGGATGAAAACCAATTTACTGTTCCCAAGGAACTCTCC  
 AACTACAAACATTTAACACTTATAGACTTAAGTAACAACAGAATAAGCACGCTTTCTAATCAGAGCTTCA  
 GCAACATGACCCAGCTCCTCACCTAATTCTTAGTTACAACCGTCTGAGATGATTCTCTCGCACCTT  
 TGATGGATTAAGTCTCTCGATTACTTTCTACATGGAATGACATTTCTGTTGTGCCTGAAGGTGCT  
 TTCAATGATCTTCTGCATTATCACATCTAGCAATTGGAGCCAACCTCTTTACTGTGATTGTAACATGC  
 AGTGGTTATCCGACTGGGTGAAGTCGGAATATAAGGAGCCTGGAATTGCTCGTTGTGCTGGTCTGGAGA  
 AATGGCAGATAAACTTTTACTCACAACCTCCCAAAAAATTTACTGTCAAGGTCTGTGGATGTCAAT  
 ATTCTAGCTAAGTGAACCCCTGCCTATCAAATCCGTGTAAAAATGATGGCACATGTAATAGTGATCCAG  
 TTGACTTTTACCGATGCACCTGTCCATATGGTTTCAAGGGGCAGGACTGTGATGTCCCAATTCATGCCTG  
 CATCAGTAACCCATGTAACATGGAGGAACTTGCCACTTAAAGGAAGGAGAAGAAGATGGATTCTGGTGT  
 ATTTGTGCTGATGGATTGAAGGAGAAAATGTGAAGTCAACGTTGATGATTGTGAAGATAATGACTGTG  
 AAAATAATTCTACATGTGTCGATGGCATTAACTACACATGCCTTTGCCACCTGAGTATACAGGTGA  
 GTTGTGTGAGGAGAAGCTGGACTTCTGTGCCAGGACCTGAACCCCTGCCAGCAGATTCAAAGTGCATC  
 TAACTCCAAGGGATTCAAATGTGACTGCACACCAGGGTACGTAGGTGAACACTGCGACATCGATTTTG  
 ACGACTGCCAAGACAACAGTGTAAAAACGGAGCCCACTGCACAGATGCAGTGAACGGCTATACGTGCAT  
 ATGCCCGAAGGTTACAGTGGCTTGTCTGTGAGTTTTCTCCACCCATGGTCTCCTCGTACCAGCCCC  
 TGTGATAATTTTATTGTCAGAATGGAGCTCAGTGTATCGTCAGAATAAATGAGCCAATATGTCAGTGT  
 TGCCTGGCTATCAGGGAGAAAAGTGTGAAAAATGGTTAGTGTGAATTTTATAAACAAAGAGTCTTATCT  
 TCAGATTCTTACGCCAAGGTTCCGGCTCAGACGAACATAACACTTACAGATTGCCACAGATGAAGACAGC  
 GGAATCCTCTGTATAAGGGTGACAAAGACCATATCGCGGTAGAACTCTATCGGGGGCGTGTCTGCCA  
 GCTATGACACCGGCTCTCATCCAGCTTCTGCCATTTACAGTGTGGAGACAATCAATGATGGAACCTTCCA  
 CATTGTGGAACACTTGCCTTGGATCAGAGTCTCTCTTTGTCCGTGGATGGTGGGAACCCCAAAATCATC  
 ACTAACTTGTCAAAGCAGTCCACTCTGAATTTTACTCTCCACTCTATGTAGGAGGCATGCCAGGGAAGA  
 GTAACGTGGCATCTCTGCGCCAGGCCCTGGGCAGAACGGAACCAGCTTCCACGGCTGCATCCGGAACCT  
 TTACATCAACAGTGAAGTGCAGGACTTCCAGAAGGTGCCGATGCAAAACAGGCATTTTGCCTGGCTGTGAG  
 CCATGCCACAAGAAGGTGTGTGCCATGGCAGATGCCAGCCAGCAGCCAGGAGGCTTACCTGCGAGT  
 GCCAGGAAGGATGGATGGGGCCCTCTGTGACCAACGGACCAATGACCCTTGCCTTGGAAATAAATGCGT  
 ACATGGCACCTGCTTGCCATCAATGCGTTCTCTACAGCTGTAAGTGTGGAGGGCCATGGAGGTGTC  
 CTCTGTGATGAAGAGGAGGATCTGTTTAAACCATGCCAGGCGATCAAGTGAAGCATGGGAAGTGCAGGC  
 TTTCAGGTCTGGGGCAGCCCTACTGTGAATGCAGCAGTGGATACACGGGGGACAGCTGTGATCGAGAAAT  
 CTCTTGTGAGGGGAAAAGGATAAGAGATTATTACCAAAAAGCAGCAGGGCTATGCTGCTTGCACAAACAA  
 AAGAAGGTGTCCCGATTAGAGTGCAGAGGTGGGTGTGCAGGAGGGCAGTGTGTGACCGCTGAGGAGCA  
 AGCGGGCGAAATACTCTTTCGAATGCACTGACGCTCCTCTTTGTGGACGAGGTTGAGAAAAGTGGTGA  
 GTGCGGCTGTACGAGGTGTGTCTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001289135

**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).

<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>	<a href="#">NM_001289135.2</a> , <a href="#">NP_001276064.1</a>
<b>RefSeq Size:</b>	8045 bp
<b>RefSeq ORF:</b>	4578 bp
<b>Locus ID:</b>	9353
<b>UniProt ID:</b>	<a href="#">O94813</a>
<b>Cytogenetics:</b>	4p15.31
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Axon guidance
<b>Gene Summary:</b>	<p>This gene encodes a member of the slit family of secreted glycoproteins, which are ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. Members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Proteolytic processing of this protein gives rise to an N-terminal fragment that contains the four leucine-rich repeats and five epidermal growth factor repeats and a C-terminal fragment that contains four epidermal growth factor repeats and the cysteine knot. Both full length and cleaved proteins are secreted extracellularly and can function in axon repulsion as well as other specific processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]</p> <p>Transcript Variant: This variant (2) contains one alternate in-frame exon and lacks one alternate in-frame exon in the 5' coding region compared to variant 1. It encodes isoform 2, which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>