

Product datasheet for **SC108768**

EXTL2 (NM_001439) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXTL2 (NM_001439) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXTL2
Synonyms:	EXTR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108768 sequence for NM_001439 edited (data generated by NextGen Sequencing)

```

ATGAGGTGTTGCCACATCTGCAAACCTCCTGGGAGAGTAATGGGGATTTCGAGTGCTTCGA
TTATCTTTGGTGGTCATCCTCGTATTACTGGTAGCTGGTGCTTTGACTGCCTTACTT
CCCAGTGTTAAAGAAGACAAGATGCTCATGTTGCGTAGGGAAATAAAATCCCAGGCAAG
TCCACCATGGACTCCTTTACTCTCATAATGCAGACGTACAACAGAACAGATCTCTTATTG
AACTTTTAAATCATTATCAGGCTGTACCAAATCTGCACAAAGTGATTGTGGTATGGAAC
AATATTGGAGAGAAGGCACCAGATGAATTATGGAATTCTAGGGCCCCACCTATCCCT
GTGATCTTCAAACAACAGACAGCAAACAGGATGAGAAATCGACTCCAGGTCTTTCCTGAA
CTGGAAACCAATGCAGTGTGATGGTAGATGATGACACACTCATCAGCACCCAGACCTT
GTTTTTGCTTTCTCAGTTTGGCAGCAATTCCTGATCAAATTGTAGGATTTGTTCTAGA
AAGCACGTCTCTACTTCATCAGGTATCTACAGTTATGGAAGTTTTGAAATGCAAGACCA
GGGCTGGAATGGTGACCAGTACTCTATGGTGCTGATTGGAGCCTCATTCTTCAATAGC
AAATATCTTGAATTATTTAGAGGCAACCTGCAGCTGTCCATGCTTTGATAGATGATACT
CAAACCTGTGATGATATTGCCATGAATTTATCATTGCCAAGCATATTGGCAAGACTTCA
GGGATATTTGTGAAGCCTGTAACATGGACAATTTGAAAAAGAAACCAACAGTGGCTAT
TCTGGAATGTGGCATCGAGCTGAGCACGCTCTGCAGAGGTCTTATTGTATAAATAAGCTT
GTTAATATCTATGATAGCATGCCCTTAAGATACTCCAACATTATGATTTCCAGTTTGGT
TTCCATATGCCAACTACAAAAGAAAAATATAA

```

Clone variation with respect to NM_001439.2



[View online »](#)

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_001439 unedited
GTATTTTGTAAATACGACTCACTATAGGGCGGCCCGGATTCCGGCACGAGGAGAGAGAGAGAG
AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG
AGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGATCCAGGCGCTCAC
TTTGCGGGCGGCCACTTTTTCCAGGTTGTTAATCCAGCTAATGGAGAAGGATAGATGCACG
CTACTTGGTTTTAGAAAAAAAAAAAAAATGAGCAAACGAGACGCCCTTCCGTTTTATGA
TAACTAAGCTGCAGGGAATAAATCGGCTGGCCCTACTGCAATCTACTGCACTCGAGAAA
CATCACAGAAAATCTTTGATTTATCTTAATAGTGACAAGTGAGCCTGCTTCTGTCAATT
ACTGAAGCTATAAGGAGATTTTTTAAAAATTAACCTCAACACAATGAGGTGTTGCCACA
TCTGCAAACCTTCTGGGAGAGTAATGGGGATTGAGTGCTTCGATTATCTTTGGTGGTCA
TCCTCGTATTATTACTGGTAGCTGGTGCTTTGACTGCCTTACTTCCCAGTGTTAAAGAAG
ACAAGATGCTCATGTTGCGTAGGAAAATAAATCCAGGGCAAGTCCACCATGGACTCCT
TTACTCTCATAATGCAGACGTACAACAGAACAGATCTCTTATTGAACTTTTAAATCATT
ATCAGGCTGTACCAAATCTGCACAAAGTATTGTGGTATGGAACACTATTGGAGAGAAGG
CACCAGATGAATTATGGAATTCTCTANGGCCCCACCTATCCCTGTGATCTTCAAACACC
AGACAGCANACAGGATGAGAAAATCGACTCCAGGCTTTTCTTGACTGGNAACAATGCAGTG
TTGATGGTAGATGATGCACACTCTCAGCACCCAAACCTGNNTTGTCTTCTAANTNGCACA
TTTCTGATCAAATGNAGATTGTTCTAGAAGCCCTCTCTTCTCAGCTT
```

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_001439 unedited
GGAGGCAAAGTTTCTTTTATTTATCTGCTAGAAGGAATCATAAGAGGCCAAAAGTACTAC
CAATATTGGACAAAACAGATAACTGACATTATCGATTTTTAGTAAAATTCTTAGTTTCTT
TGTTTTTTGTTTTTACAATCTGACTGCATTAACACACATATACTCTTTAATGTAAAAAAA
AAACCATCATATGCGGAACTAAATGCACAAAGACCTCATTATTGGAACATTACCCATGAT
TATTTTAAATATTCTCACAGCTTTGCAATTTTGAAAATATACTACCATTATATAAAAAGGA
AGAGGAAAAGGAGGAATAAGAGGGAAAAGGAGGAAAAAGAAAAGTTGGTAAACAAAGGCCT
AGTTAAAATTCCTTGCCTTAGGGGGAACAAGGACTAAACACAGACAATGGGTGAAACA
CAGACGCTAATTCACATAACAGAGAGTAGGCAACCTTAAAAATGAATTGATGCAAACCTC
TATAAAATTCCTCTGTTATGACTGGGTTCTTATTTCTCCTCCTGNATGTAGTTGAAAT
TTCATCATTATGAATAGTTCCTTGATCTTTTTTAAAGTTGTGAATGCAAGTGTGTTGGC
TTTGTAAATACAACCTTTTTAGTATCCAGAAGATAACCAGTGCTCTACCAATAAAGATCTTT
TGAACAAAGGTTTTTAACTTCTGCCAGTCTTACTCATTTTTTTTTCAGGTTTTTTATACAT
TTCTTAAACACACATACATTATGTAATAATAAGAATTAATGTACATTCTCAAGGTCAGA
TTCAGTGACAAAATGCACTACCCGAAATCTAGTACACATTTACTCCTTGCTGATATAAGN
GGGCGGTAAAGATTACAGGTTTGGTGGGACCATGCANNAATGTCACAATATCAGC
AACAACTTACGTTCA
```

Restriction Sites:

NotI-NotI

ACCN:

NM_001439

Insert Size:

2820 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).

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:	<ol style="list-style-type: none">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_001439.2 , NP_001430.1
RefSeq Size:	2905 bp
RefSeq ORF:	993 bp
Locus ID:	2135
UniProt ID:	Q9UBQ6
Cytogenetics:	1p21.2
Protein Families:	Transmembrane
Protein Pathways:	Heparan sulfate biosynthesis
Gene Summary:	<p>Glycosyltransferase required for the biosynthesis of heparan-sulfate and responsible for the alternating addition of beta-1-4-linked glucuronic acid (GlcA) and alpha-1-4-linked N-acetylglucosamine (GlcNAc) units to nascent heparan sulfate chains.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes isoform 1. Variants and 2 encode the same isoform. 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>