

Product datasheet for **SC320147**

EXTL3 (NM_001440) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: EXTL3 (NM_001440) Human Untagged Clone
Tag: Tag Free
Symbol: EXTL3
Synonyms: BOTV; EXTL1L; EXTR1; ISDNA; REGR; RPR
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001440.2
 CACTAACTCTTCTGGAACGTGTCAGTGAACAGAGATCGTTTTGTGGAATAGCAACCCA
 TGGTTATGGCGAGTGACCCGACGTGATCTGGGGGCAGGCTGCAGAGACTCATGACAGG
 CTATACCATGCTGCGGAATGGGGCGCGGGGAACGGAGGTCAGACCTGCATGCTGCGCTG
 GTCCAACCGCATCCGCCTCACGTGGCTCAGCTTACGCTCTTTGTCATCCTGGTCTTCTT
 CCCGCTCATCGCCACTATTACCTCACCCTCTGGATGAGGCTGATGAGGCAGGCAAGCG
 GATTTTTGGTCCCGGGTGGGAACGAGCTGTGCGAGGTGAAGCACGTGCTGGATCTGTG
 CCGCATCCGGGAGTCGGTGAGTGAAGAGCTCCTGCAGCTGGAGGCAAGCGCAAGAGCT
 GAACAGCGAGATCGCAAGCTGAATCTGAAGATCGAAGCTGTAAGAAGAGCATTGAGAA
 CGCCAAGCAGGACCTGCTCCAGCTCAAGAATGTCATCAGCCAGACCGAGCATTCTACAA
 GGAGCTCATGGCCAGAACCAGCCAAGCTGTCCCTGCCATCCGACTGCTCCCAGAGAA
 GGACGATGCCGGCTCCCTCCCCGAAGGCCACTCGGGGCTGCCGGCTACACAACCTGCTT
 TGATTATTCTCGTTGCCCTCTCACCTCTGGCTTCCCGGTCTACGTCTATGACAGTGACCA
 GTTTGTCTTTGGCAGCTACCTGGATCCCTTGGTCAAGCAGGCTTTTCAGGCGACAGCAGC
 AGCTAACGTTTATGTTACAGAAAATGCAGACATCGCCTGCCTTTACGTGATACTAGTGGG
 AGAGATGCAGGAGCCGGTGGTGTGCGGCCTGCTGAGCTGGAGAAGCAGTTGTATTCCCT
 GCCACACTGGCGGACGGATGGACACAACCATGTCATCATCAATCTGTACGTAAGTCAGA
 TACACAGAACCTTCTCTATAACGTCAGTACTGGCCGTGCCATGGTGGCCAGTCCACCTT
 CTACACTGTCCAGTACAGACCTGGCTTTGACTTGGTCTGATCACCGCTGGTCCATGCCAT
 GTCTGAGCCCAACTTCTATGGAATCCCACACAGGTGCCGGTGAAGCGGAAATATCTCTT
 CACCTTCCAGGGCGAGAAGATTGAGTCTCTGAGGTCTAGCCTTCAGGAGGCCCGCTCCTT
 CGAAGAGGAAAATGGAGGGCGACCCTCCCGCCACTACGATGACCGGATCATTGCCACCCT
 GAAGGCGGTGCAGGACAGCAAGCTGGATCAGGTCTGGTGAATTACCTGCAAAAACCA
 GCCCAAACCCAGCTGCCAACTGAGTGGGCACTGTGTGGAGAGCGGGAGGACCGTTGGA
 ATTGCTGAAGCTCTCCACCTTCCGCTCATCATTACCCCGGGGACCCTCGCTTGGTTAT
 TTCTCTGGGTGTGCAACACGGCTCTTGAAGCCCTGGAAGTCGGTCCCGTCCCGGTGGT
 GCTGGGGAGCAGGTCCAGCTTCCCTACCAGGACATGCTGCAGTGAACGAGGCGGCCCT



[View online »](#)

```

GGTGGTGCCAAAGCCTCGTGTTACCGAGGTTCAATTCCTGCTCAGAAGCCTCTCCGATAG
TGACCTCTGGCTATGAGGCGGCAAGGCCGCTTTCTCTGGGAGACTTACTTCTCCACTGC
TGACAGTATTTTTAATACCGTGTGGCTATGATTAGGACTCGCATCCAGATCCCAGCCGC
TCCCATCCGGGAAGAGGCGGCAGCTGAGATCCCCACCGTTCAGGCAAGGCGGCTGGAAC
TGACCCCAACATGGCTGACAACGGGGACCTGGACCTGGGGCCAGTGGAGACGGAGCCGCC
CTACGCCTCACCAGATACCTCCGCAATTCACCTGACTGTCACTGACTTTTACCGCAG
CTGGAATGTGCTCCAGGGCCTTTCCATCTTTTCCCCCACACTCCCTTTGACCCTGTGTT
GCCCTCAGAGGCCAAATTCTTGGGCTCAGGGACTGGCTTTCGGCCTATTGGTGGTGAGC
TGGGGTTCTGGCAAGGAATTTACAGCAGCGCTTGGAGGCAATGTTCCCCGAGAGCAGTT
CACGGTGGTGATGTTGACTTATGAGCGGGAGGAAGTGCTTATGAACTCTTTAGAGAGGCT
GAATGGCTCCCTTACCTGAACAAGGTCGTGGTGGTGGAAATTCCCAAGCTGCCATC
AGAGGACCTTCTGTGGCCTGACATTGGCGTCCCCATCATGGTGGTCCGTAAGAGAA
CAGTTTGAACAACCGATTCTTACCCTGGAATGAAATTGAGACAGAGGCCATCCTGTCCAT
TGATGACGATGCTCACCTCCGCCATGACGAAATCATGTTTGGGTCCGGGTGGAGAGA
AGCTCGGGACCGCATCGTGGGCTTCCCTGGCCGTTACCACGCATGGGACATCCCCATCA
GTCTGGCTCTACAACCTCAACTACTCCTGTGAGCTGTCCATGGTGTGACAGGTGCTGC
CTTCTTTCACAAGTATTATGCCTACCTGTATTCTTATGTGATGCCCCAGGCCATCCGGGA
CATGGTGGATGAATACATCAACTGTGAGGACATTGCCATGAACTTCTTGTCTCCACAT
CACTCGGAAGCCCCCATCAAGGTGACCTCACGGTGGACATTCCGATGCCAGGATGCC
TCAGGCCCTGTCTCATGATGACTCCCACTTCCACGAGCGGCACAAGTGCATCAACTTCTT
CGTGAAGTGTACGGCTACATGCCCTCCTGTACACGCAGTTCAGGGTGGATTCTGTGCT
CTTCAAGACACGCTGCCCATGACAAGACCAAGTGCTTCAAGTTCATCTAGGGGACGG
CACGGTCTGGGGAAGAGGATGAGCAGAGGGAGGAAGATGGCTCCAAGGTTCTAGGCAT
TGCAGGACCTTGGGCACATCTGCTGGTGGTGGCCAGAGCCTCTGCTGGAAGGGGACGC
AGGAGGAGTGGAAGGAAACCGCTGCCTTATCTTGAAGTCAAGCCACTGGGCTGGAGC
CCTGGGCGGAGTCCCGGGGTTCCACACAGGGCACTGACTGATAGCTTACACTGAGGA
CTGTGGCGACTCTGCAGAGTCACTCACACCGTTCGTACGCCAGGACAGCTGGTTCGTGG
TTTTTACATTAACAACCTATTATGATTATTTAAAAAAAAAAAAAAAAAAAA

```

Restriction Sites:

Please inquire

ACCN:

NM_001440

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:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001440.2, NP_001431.1</u>
RefSeq Size:	6172 bp
RefSeq ORF:	2760 bp
Locus ID:	2137
UniProt ID:	<u>O43909</u>
Cytogenetics:	8p21.1
Domains:	Exostosin
Protein Families:	Transmembrane
Protein Pathways:	Heparan sulfate biosynthesis, Metabolic pathways
Gene Summary:	<p>This gene encodes a single-pass membrane protein which functions as a glycosyltransferase. The encoded protein catalyzes the transfer of N-acetylglucosamine to glycosaminoglycan chains. This reaction is important in heparin and heparan sulfate synthesis. Alternative splicing results in the multiple transcript variants. [provided by RefSeq, Nov 2012]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the functional protein.</p>