

Product datasheet for **SC335451**

EXTL2 (NM_001261441) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EXTL2 (NM_001261441) Human Untagged Clone
Tag:	Tag Free
Symbol:	EXTL2
Synonyms:	EXTR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335451 representing NM_001261441. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAACCTGGAACAGTGGTGGCACAAGTGTGCCACATCTGCAAACCTCCTGGGAGAGTAATGGGG
ATTCGAGTGCTTCGATTACTTTGGTGGTCATCCTCGTATTACTGGTAGCTGGTCTTTGACTGCC
TTACTTCCCAGTGTTAAGAAGACAAGATGCTCATGTTGCGTAGGGAAAATAAAATCCCAGGGCAAGTCC
ACCATGGACTCCTTACTCTCATAATGCAGACGTACAACAGAACAGATCTCTTATTGAACTTTAAAT
CATTATCAGGCTGTACCAATCTGCACAAAGTATTGTGGTATGGAACAATATTGGAGAGAAGGCACCA
GATGAATTATGGAATTCTCTAGGGCCCCACCCTATCCCTGTGATCTTCAAACAACAGACAGCAAACAGG
ATGAGAAATCGACTCCAGGTCTTTCCTGAACTGGAACCAATGCAGTGTGATGGTAGATGATGACACA
CTCATCAGCACCCAGACCTGTTTTGCTTTCTCAGTTTGGCAGCAATTTCTGATCAAATTTGAGGA
TTTGTTCCTAGAAAGCACGTCTCTACTTCATCAGGTATCTACAGTTATGGAAGTTTTGAAATGCAAGCA
CCAGGGTCTGGAATGGTGACCAGTACTCTATGGTGTGATTGGAGCCTCATTCTCAATAGCAAATAT
CTTGAATTATTTAGAGGCAACCTGCAGCTGCCATGCTTTGATAGATGATACTCAAACCTGTGATGAT
ATTGCCATGAATTTATCATTGCCAAGCATATTGGCAAGACTTCAGGGATATTTGTGAAGCCTGTAAC
ATGGACAATTTGAAAAAGAAACCAACAGTGGCTATTCTGGAATGTGGCATCGAGCTGAGCACGCTCTG
CAGAGGCTTATTGTATAAATAAGCTTGTAAATCTATGATAGCATGCCCTTAAGATACTCCAACATT
ATGATTTCCAGTTTGGTTTTCCATATGCCAACTACAAAAGAAAAATAAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001261441
Insert Size:	1017 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:	<u>NM_001261441.1</u>
RefSeq Size:	3205 bp
RefSeq ORF:	1017 bp
Locus ID:	2135
Cytogenetics:	1p21.2
Protein Families:	Transmembrane
Protein Pathways:	Heparan sulfate biosynthesis
MW:	38.3 kDa
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 (4) uses an alternate splice site in the 5' UTR and includes an alternate exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is longer 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>