

Product datasheet for **SC330710**

EXTL2 (NM_001261440) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: EXTL2 (NM_001261440) Human Untagged Clone
Tag: Tag Free
Symbol: EXTL2
Synonyms: EXTR2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330710 representing NM_001261440.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

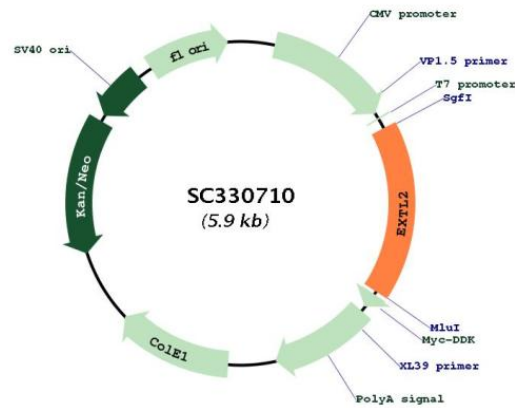
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ATGAGGTGTTGCCACATCTGCAAACCTCCTGGGAGAGTAATGGGGATTTCGAGTGCTTCGATTATCTTTG
GTGGTCATCCTCGTATTACTGGTAGCTGGTCTTTGACTGCCTTACTCCCAGTGTTAAAGAAGAC
AAGATGCTCATGTTGCGTAGGGAAATAAAATCCCAGGGCAAGTCCACCATGGACTCCTTACTCTCATA
ATGCAGACGTACAACAGAACAGATCTCTATTGAAACTTTTAAATCATTATCAGGCTGTACCAAATCTG
CACAAAGTGATTGTGGTATGGAACAATATTGGAGAGAAGGCACCAGATGAATTATGGAATTCTCTAGGG
CCCCACCCTATCCCTGTGATCTTCAAACAACAGACAGCAAACAGGATGAGAAATCGACTCCAGGTCTTT
CCTGAACTGGAACCAATGTGTTGATGGTAGATGATGACACACTCATCAGCACCCAGACCTTGTTTTT
GCTTTCTCAGTTTGGCAGCAATTCCTGATCAAATTGTAGGATTTGTTCCCTAGAAAGCACGTCTCTACT
TCATCAGGTATCTACAGTTATGGAAGTTTTGAAATGCAAGCACCAGGGTCTGGAATGGTGACCAGTAC
TCTATGGTGCTGATTGGAGCCTCATTCTTCAATAGCAAATATCTTGAATTATTTTCAGAGGCAACCTGCA
GCTGTCCATGCTTTGATAGATGATACTCAAACCTGTGATGATATTGCCATGAATTTTATCATTGCCAAG
CATATTGGCAAGACTTCAGGGATATTTGTGAAGCCTGTAACATGGACAATTTGGAAAAAGAAACCAAC
AGTGGCTATTCTGGAATGTGGCATCGAGCTGAGCACGCTCTGCAGAGGTCTTATTGTATAAATAAGCTT
GTTAATATCTATGATAGCATGCCCTTAAGATACTCCAACATTATGATTTCCAGTTTGGTTTTCCATAT
GCCAACTACAAAAGAAAAATAA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001261440

Insert Size: 990 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:

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_001261440.1](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001261440.1)

RefSeq Size: 3178 bp

RefSeq ORF: 990 bp

Locus ID: 2135

Cytogenetics: 1p21.2

Protein Families: Transmembrane

Protein Pathways: Heparan sulfate biosynthesis

MW: 37.4 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) uses an alternate splice site in the 5' UTR and an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) 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.