

## Product datasheet for RC237557

### EXTL2 (NM\_001261441) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EXTL2 (NM_001261441) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EXTL2
Synonyms:	EXTR2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237557 representing NM_001261441 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGAACCTGGAACAGTGGTGGCACAAAGTGTGCCACATCTGCAAACCTCCTGGGAGAGTAATGGGA  
TTCGAGTGCTTCGATTATCTTTGGTGGTCATCCTCGTATTACTGGTAGCTGGTGCTTTGACTGCCTT  
ACTTCCCAGTGTTAAAGAAGACAAGATGCTCATGTTGCGTAGGGAAATAAAATCCCAGGGCAAGTCCACC  
ATGGACTCCTTTACTCTCATAATGCAGACGTACAACAGAACAGATCTCTTATTGAAACTTTTAAATCATT  
ATCAGGCTGTACCAAATCTGCACAAAGTATTGTTGGTATGGAACAATATTGGAGAGAAGGCCACCAGATGA  
ATTATGGAATTCTTAGGGCCCCACCCTATCCCTGTGATCTTCAAACAACAGACAGCAAACAGGATGAGA  
AATCGACTCCAGGTCTTTCCTGAACTGGAACCAATGCAGTGTGATGGTAGATGATGACACACTCATCA  
GCACCCAGACCTTGTGTTTTGCTTTCAGTTTGGCAGCAATTCCTGATCAAATGTAGGATTTGTTCC  
TAGAAAGCACGTCTCTACTTCATCAGGTATCTACAGTTATGGAAGTTTTGAAATGCAAGCACCAGGGTCT  
GGAAATGGTGACCAGTACTCTATGGTGTGATTGGAGCCTCATTCTTCAATAGCAAATATCTTGAATTAT  
TTCAGAGGCAACCTGCAGCTGTCCATGCTTTGATAGATGATACTCAAACCTGTGATGATTTGCCATGAA  
TTTTATCATTGCCAAGCATATTGGCAAGACTTCAGGGATATTTGTGAAGCCTGTAACATGGACAATTTG  
GAAAAAGAAACCAACAGTGGCTATTCTGGAATGTGGCATCGAGCTGAGCACGCTCTGCAGAGGTCTTATT  
GTATAATAAGCTTGTTAATATCTATGATAGCATGCCCTTAAGATACTCCAACATTATGATTTCCAGTT  
TGGTTTTCCATATGCCAACTACAAAAGAAAAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)



<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001261441.1</a> , <a href="#">NP_001248370.1</a>
<b>RefSeq Size:</b>	3205 bp
<b>RefSeq ORF:</b>	1017 bp
<b>Locus ID:</b>	2135
<b>Cytogenetics:</b>	1p21.2
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	Heparan sulfate biosynthesis
<b>MW:</b>	38.7 kDa
<b>Gene Summary:</b>	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]