

## Product datasheet for **MC210164**

### Extl2 (NM\_001163515) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Extl2 (NM_001163515) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Extl2
Synonyms:	3000001D04Rik; AW146439
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210164 representing NM_001163515 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGATTTCGAGTGCTCCGGTTCTCCCTGGTGGTCATCCTTGTGTTGCTGCTGGTAGCGGGGGCTTTGA  
CCAACCTACTCCCAACATCAAAGAAGACAAGATGCTCACTCTGCGTAGGGAGATCAAATCCCCGAGCAA  
GTCGGCCCTGGATTCATTACCCTCATCATGCAGACATAACAAGAACAGACCTTTACTAAGACTCTTA  
AATCATTACCAGGCAGTACCGAGTCTGCACAAGGTGATCGTGGTGTGGAACAATGTGGGAGAGAAGGGCC  
CAGAGGAGTTGTGAATTCTCTAGGGCCTCACCGATCCCTGTCACTTCAAACCACAAACAGCAAACAA  
AATGAGAAACCGACTCCAGGTCTTCCCTGAAGTGGAGACCAACCGGGTGTGATGGTAGACGATGACACA  
CTCATTAGTGCCAGGACCTTGTTCGCTTTCTCAATTTGGCAGCAATTTCTGATCAGATCATAGGAT  
TTGTACCTAGAAAAGCACGTCTCTACTTCCCTCCGGGATCTACAGTTACGGAGGCTTTGAGCTGCAGACACC  
GGGGCCCGGGAATGGCGACCACTCCATGGTGTCTATCGGAGCCTCCTTCTTCAACAGCAAATACCTG  
GAACTCTCCAGAAGCAGCCTGCAGCCGTCCACGCGTGATCGATGAGACGCAGAAGTGTGACGACATCG  
CTATGAATTTCTCGTCACCAGGCACACTGGCAAGCCTTCAGGGATATTCGTGAAACCCATAAACATGGT  
CAACTTGGAAAAAGAAACCAACGGGTATTCGGAAATGTGGCACCAGGGCGGAGCACTTTCTGCAGAGATCC  
TACTGTATAAATAAGCTCGTTAACATCTACGACGGCATGCCCTTAAAGTACTCCAACATTATGATTTCCC  
AGTTTGGTTTTCCGTATGCCAACCATAAAAGTAAAATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001163515



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<b>Insert Size:</b>	951 bp
<b>OTI Disclaimer:</b>	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).
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_001163515.1</a></u> , <u><a href="#">NP_001156987.1</a></u>
<b>RefSeq Size:</b>	2937 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	58193
<b>Cytogenetics:</b>	3 G1
<b>Gene Summary:</b>	<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 (3) lacks the alternate exon containing the translation start codon compared to variant 1. The resulting isoform (b) is shorter at the N-terminus compared to isoform a.</p>