

## Product datasheet for **MC210163**

### Extl2 (NM\_001163514) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Extl2 (NM\_001163514) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Extl2  
**Synonyms:** 3000001D04Rik; AW146439  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC210163 representing NM\_001163514  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATGAGGGTTGCCACATCTGCAAACCTCCGGGAAGAGTCATGGGGATTCGAGTGCTCCGGTTCTCCC  
TGGTGGTCATCCTTGTTGCTGCTGGTAGCGGGGCTTTGACCAACTTACTCCCAACATCAAAGAAGA  
CAAGATGCTCACTCTGCGTAGGGAGATCAAATCCCGAGCAAGTCGGCCCTGGATTCAATCACCCATC  
ATGCAGACATAACAAGAACAGACCTCTTACTAAGACTCTTAAATCATTACCAGGCAGTACCGAGTCTGC  
ACAAGGTGATCGTGGTGTGGAACAATGTGGGAGAGAAGGGCCAGAGGAGTTGTGGAATTCTTAGGGCC  
TCACCCGATCCCTGTCATCTTCAAACCACAAACAGCAAACAAAATGAGAAACCGACTCCAGGTCTTCCCT  
GAAGTGGAGACCAACGCGGTGTTGATGGTAGACGATGACACACTATTAGTGCCAGGACCTGTTTTCG  
CTTTCTCAATTTGGCAGCAATTTCTGATCAGATCATAGGATTTGTACCTAGAAAGCACGCTCTACTTC  
CTCCGGGATCTACAGTTACGGAGGCTTTGAGCTGCAGACACCGGGGCCGGGAATGGCGACCACTACTCC  
ATGGTGCTCATCGGAGCCTCCTTCTTCAACAGCAAATACCTGGAACCTTCCAGAAGCAGCCTGCAGCCG  
TCCACGCGTGATCGATGAGACGCAGAAGTGTGACGACATCGCTATGAATTTCTCGTACCAGGCACAC  
TGGCAAGCCTTCAGGGATATTCGTGAAACCCATAAACATGGTCAACTTGGAAAAAGAAACCAACGGGTAT  
TCCGGAATGTGGCACCGGCGGAGCACTTTCTGCAGAGATCCTACTGTATAAATAAGCTCGTTAACATCT  
ACGACGGCATGCCCTAAAGTACTCCAACATTATGATTTCCAGTTTGGTTTTCCGTATGCCAACCATAA  
AAGTAAATGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001163514



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<b>Insert Size:</b>	993 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>RefSeq:</b>	<u><a href="#">NM_001163514.1</a></u> , <u><a href="#">NP_001156986.1</a></u>
<b>RefSeq Size:</b>	2819 bp
<b>RefSeq ORF:</b>	993 bp
<b>Locus ID:</b>	58193
<b>UniProt ID:</b>	<u><a href="#">Q9ES89</a></u>
<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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>