

Product datasheet for **MC218764**

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: >MC218764 representing NM_001163514
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGAGGGTTGCCACATCTGCAAACCTCCGGGAAGAGTCATGGGGATTCGAGTGCTCCGGTTCTCCC
TGGTGGTCATCCTTGTGTGCTGCTGGTAGCGGGGCTTTGACCAACTTACTCCCAACATCAAAGAAGA
CAAGATGCTCACTCTGCGTAGGGAGATCAAATCCCGAGCAAGTCGGCCCTGGATTCATTACCCTCATC
ATGCAGACATAACAAGAACAGACCTCTTACTAAGACTCTTAAATCATTACCAGGAGTACCGAGTCTGC
ACAAGGTGATCGTGGTGTGGAACAATGTGGGAGAGAAGGGCCAGAGGAGTTGTGGAATTCTTAGGGCC
TCACCCGATCCCTGTCATCTTCAAACCACAAACAGCAAACAAAATGAGAAACCGACTCCAGGTCTTCCCT
GAAGTGGAGACCAACGCGGTGTTGATGGTAGACGATGACACACTATTAGTGCCAGGACCTTGTTCG
CTTTCTCAATTTGGCAGCAATTTCTGATCAGATCATAGGATTTGTACCTAGAAAGCAGCTCTACTTC
CTCCGGGATCTACAGTTACGGAGGCTTTGAGCTGCAGACACCGGGGCCGGGAATGGCGACCAGTACTCC
ATGGTGCTCATCGGAGCCTCCTTCTTCAACAGCAAATACCTGGAACCTTCCAGAAGCAGCCTGCAGCCG
TCCACGCGTGATCGATGAGACGAGAAGTGTGACGACATCGCTATGAATTTCTCGTACCAGGCACAC
TGGCAAGCCTTCAGGGATATTCGTGAAACCCATAAACATGGTCAACTTGGAAAAAGAAACCAACGGGTAT
TCCGGAATGTGGCACCGGCGGAGCACTTTCTGCAGAGATCCTACTGTATAAATAAGCTCGTTAACATCT
ACGACGGCATGCCCTAAAGTACTCCAACATTATGATTTCCAGTTTGGTTTTCCGTATGCCAACCATAA
AAGTAAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163514



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Insert Size:	993 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_001163514.1</u> , <u>NP_001156986.1</u>
RefSeq Size:	2819 bp
RefSeq ORF:	993 bp
Locus ID:	58193
UniProt ID:	<u>Q9ES89</u>
Cytogenetics:	3 G1
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 (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same isoform (a).</p>