

Product datasheet for **MC225036**

Etl4 (NM_001177631) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Etl4
Synonyms:	6620402G01Rik; 9430077C05Rik; BC026657; E330027G05Rik; Etl-4; Skt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225036 representing NM_001177631 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAAGAAAGCGAAGGCCAGAAATGTGAGCCGAACCTGCCTCCCTCCGGAGACAGCAGACAGATGCCCC
AACAAAGGGAGAAGCAATCTTCAATGTAACATCTCAGGAAGATGCAGCATGCCGCAGGCCAGGGAACGCCT
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ATCCCTTCTGTCTCTAATGGCTCCTTAAAGTTTCAGAGCCACCTCACGCAGGTAAAGGCCATCATCACC
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CCCTGCCTCCCCACCTCCCTGAATCAAGTGCCAGGGGCATCAGGACCATCCATACTCCTAGCCTCGCC
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ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001177631
Insert Size:	5736 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001177631.1</u> , <u>NP_001171102.1</u>
RefSeq Size:	7406 bp
RefSeq ORF:	5736 bp
Locus ID:	208618
Cytogenetics:	2 14.27 cM

Gene Summary:

Required for normal development of intervertebral disks.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (e) has multiple differences, compared to variant c. These differences result in a distinct 5' UTR and cause translation initiation at a downstream start codon, compared to variant c. The encoded protein (isoform e) is shorter when it is compared to isoform c. 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.