

## Product datasheet for **MR210577**

### **Ecel1 (NM\_021306) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ecel1 (NM_021306) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ecel1
Synonyms:	DINE; xce
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR210577 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAGGCCCGTATTCCATGACAGCGCACTACGACGAGTTCCAGGAAGTCAAGTATGTGAGCCGGTGTG  
GCACCGGGGCGCTCGAGGGACCTCACTGCCTCCAGGCTTCCCGAGGGGCTCAGGGCGCAGTGCTAGCGG  
GTCCAGGTCTGGGCTGCCCGCTGGAATCGACGCGAGGTGTGCCTGCTGTGCGGGTTGGTGTTCGTCGCC  
GGCCTCTGCGCCATCCTGGCGGCCATGCTGGCGCTCAAATACCTGGGCCCGGAGCGCGGGCGGTGGCG  
GAGCCTGTCCCGAGGGCTGCCCGAGCGCAAGGCCTTTGCACGCGCCGCCGCTTTCTGTCTGCCAACCT  
GGACGCCAGCATCGACCCGTGCCAGGACTTCTACTCGTTCGCGTGCAGGAGCTGGCTGCGCGCCACGCT  
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GCGCTACGTATCCGCATTGACCAGGATGGGCTCACCTGCCAGAGAAACCCTGTACCTAGCTCAAGAC  
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ATCCCCATTTGCAAGTGAAGTGGCTGCTGGATCAGATCTCCAGGAAGACTTCTCGAGGAGGAGGAGG  
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GCACAACCTACCTAGTGTGGCGTGTGGTGGTCTGAGTGAGCACCTGCCTCACCATCCGAGAGGCA  
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ACTTCTGCTGAAACCTGAGGCTGTAGACAAAGAATATGAGTTCGAGGTCCACGAGAAGACCTACTTCAA  
GAACATTTTGAACAGCATCCGATTCAGTATCCAGTTGTCGTCAAAAAGATTTCGACAGGAGGTGGACAAA  
TCCTCGTGGCTCCTCCCACCACAGGCGCTCAATGCCTACTATCTGCCAACAAAGAATCAAATGGTCTTCC  
CAGCTGGCATCCTGCAGCCACCCTGTATGACCCAGACTTCCCACAGTCTCTGAACTACGGGGGATTGG  
CACCATCATTGGGCACGAACTGACCCATGGCTATGACGACTGGGGGGGACAGTATGACCGCTCAGGAAAC  
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CACCAGCTCAAGTACACACACAACCAGCTTTTCTTTCATTCGCTTTCACAGAACTGGTGCATCAAGCGAC  
GGTCACAGTCCATCTACCTGCAGGTGCTGACAGACAAGCATGCACCTGAGCACTACCGGGTCTGGGCGAG  
CGTATCCAGTTTGAGGAATTCGGCCGGGCTTCCACTGTCCCAAGGACTCTCCCATGAACCCCGTCCAT  
AAGTGCTCTGTGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR210577 protein sequence

Red=Cloning site Green=Tags(s)

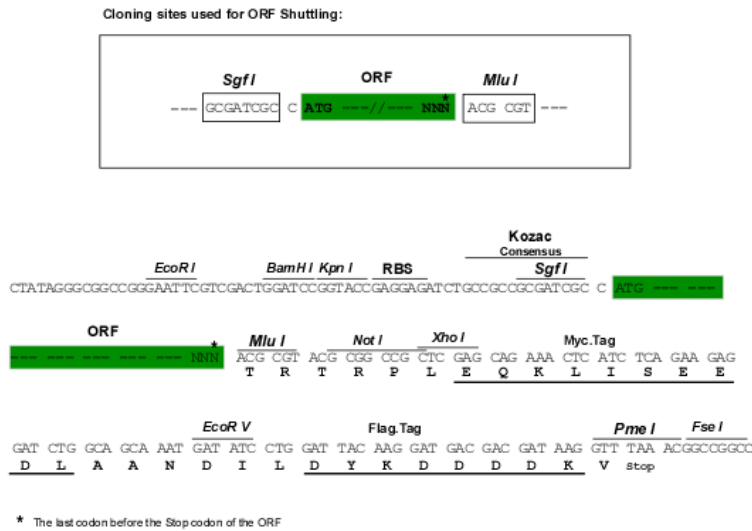
```
MEAPYSMTAHYDEFQEVKYVSRCTGGARGTSLPPGFPRGSGRSASGSRSGLPRWNRREVCLLSGLVFAA
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IPDDKLYGTIAAIGEQNEERLRLLARPTGGPGGAAQRKVRFFRSCLDMREIERLGPRPMLIEVIEDCG
GWDLGGAADRPGAARWDLNRLLYKAQGVYSAAALFSLTVSLDDRNSSRYVIRIDQDGLTLPERTLYLAQD
EESEKILAAAYRVFMQRLLRLLGADAVEQKAQEILQLEQLANISVSEYDDLRRDVSSAYNKVTLGQLQKI
IPHLQWKWLLDQIFQEDFSEEEVLLATDYMQQVSQLIRSTPRRILHNYLVWRVTVVVLSEHLSSPFREA
LHELAKEMEGNDKPQELARVCLGQANRHFGMALGALFVHEHFAASKAKVQQLVEDIKYILGQRLEELD
MDAQTAAARAKLQYMMVMVGYPDFLLKPEAVDKEYEFVHEKTYFKNILNSIRFSIQLSVKIRQEVDK
SSWLLPPQALNAYYLPNKNQMVFPAGILQPTLYDPDFPQSLNYGGIGTIIIGHELTHGYDDWGGQYDRSGN
LLHWWTETSYSHF LRKAECIVRLYDNFTVYNQRVNGKHTLGENIADMGGLKLAYYAYQKWVREHGPEHPL
HRLKYTHNQLFFIAFAQNWCIKRRSQSIYLQVLTDKHAPEHYRVLGSVSQFEFEGRAFHC PKDSPMNPVH
KCSVW
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_021306

ORF Size: 2328 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**

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:** [NM\\_021306.3](#)

**RefSeq Size:** 2898 bp

**RefSeq ORF:** 2328 bp

**Locus ID:** 13599

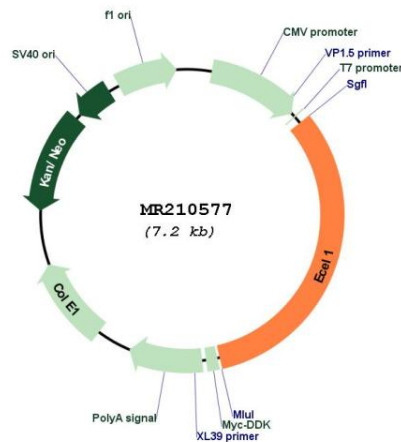
**UniProt ID:** [Q9JMI0](#)

**Cytogenetics:** 1 C5

**MW:** 88 kDa

**Gene Summary:** May contribute to the degradation of peptide hormones and be involved in the inactivation of neuronal peptides.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR210577