

Product datasheet for **RR200720**

Ecel1 (NM_021776) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecel1 (NM_021776) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ecel1
Synonyms:	Dine
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR200720 representing NM_021776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGCCCGTATTCCATGACAGCGCACTATGATGAGTTCAGGAAGTCAAGTACGAGAGCCGGTGTG
 GCACCGGGGGCGCCGAGGGACCTCCCTACCTCCAGGCTTCCCGAGGAGCTCAGGGCGCAGTGCTAGCGG
 GGCCCGGTCTGGGGCTACCGCGCTGGAACCGACGGGAGGTGTGCCTGTTGTCCGGGCTGGTGTTCGCCGCC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
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Protein Sequence:

>RR200720 representing NM_021776
 Red=Cloning site Green=Tags(s)

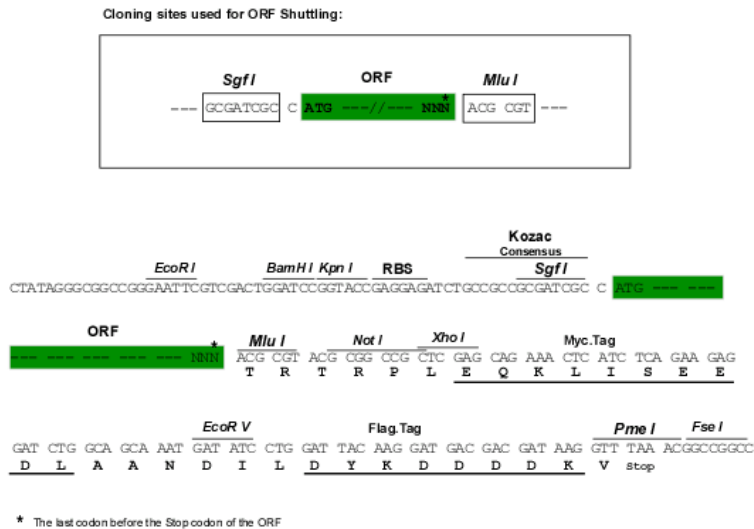
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 EGSEKVLAAAYKVFMERLLRLLGADAVEQKAQEILQLEQRLANISVSEYDDLRRDVSSVYNKVTLGQLQKI
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 LHELAKEMEGNDKPQELARVCLGQANRHFGMALGALFVHEHFAASKAKVQQLVEDIKYILGQRLEELD
 MDAQTKAAARAKLQYMMVMVGYPDFLLKPEAVDKEYEFVHEKTYLKNILNSIRFSIQLSVKKIRQEV
 DWSTWLLPPQALNAYYLPNKNQMVFPAGILQPTLYDPDFPQSLNYGGIGTIIIGHELTHGYDDWGGQYDRSGN
 LLHWWTEASYSRFLHKAECIVRLYDNFTVYNQRVNGKHTLGENIADMGGKLAYYAYQKWVREHGPEHPL
 HRLKYTHNQLFFIAFAQNWCIKRRSQSIYLQVLTDKHAPEHYRVLGSVSQFEFEGRAFHCPCDSPMNPVH
 KCSVW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_021776

ORF Size: 2325 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_021776.1](#), [NP_068544.1](#)

RefSeq Size: 7798 bp

RefSeq ORF: 2328 bp

Locus ID: 60417

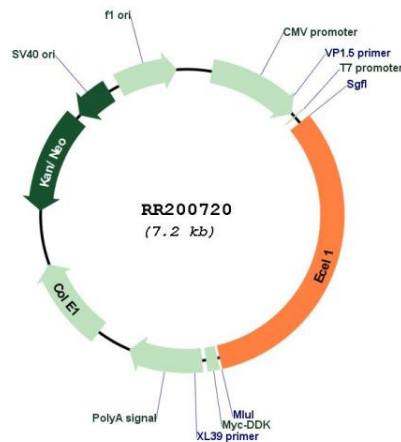
UniProt ID: [Q9JHL3](#)

Cytogenetics: 9q35

MW: 87.9 kDa

Gene Summary: damage-induced neuronal metallo-endopeptidase; involved in neuroprotection [RGD, Feb 2006]

Product images:



Circular map for RR200720