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Product datasheet for RC239537

ECEL1 (NM_001290787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECEL1 (NM_001290787) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ECEL1
Synonyms:	DA5D; DINE; ECEX; XCE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RC239537 representing NM_001290787
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCCCGTATTCGCTGACGGCGCACTACGATGAGTTCCAAGAGGTCAAGTACGTGAGCCGCTGCG
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GGCCCGGTCCGGGCTGCCGCGCTGGAACCGGCGCGAGGTGTGCCTGCTGTCGGGGCTGGTGTTCGCCGCC
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AGTCCATCTACCTGCAGGTGCTGACTGACAAGCATGCCCCTGAGCACTACAGGGTGCTGGGCAGTGTGTC
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TCCGTGTGG

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Protein Sequence:

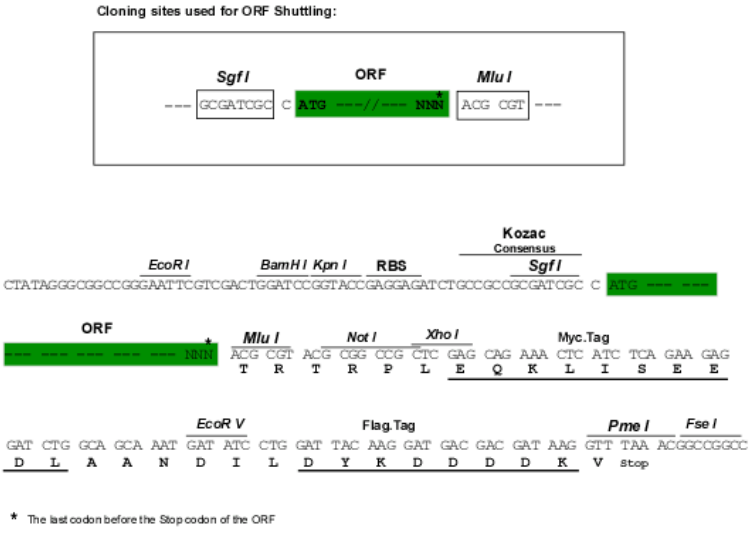
>RC239537 representing NM_001290787
Red=Cloning site Green=Tags(s)

MEPPYSLTAHYDEFQEVKYVSRCGAGGARGASLPPGFPLGAARSATGARSGLPRWNRREVCLLSGLVFAA
GLCAILAAMLALKYLGPVAAGGGACPEGCPERKAFARAARFLAANLDASIDPCQDFYSFACGGWLRRHAI
PDDKLTYGTIAAIGEQNEERLRRLLARPGGGPGGAAQRKVRAFFRSCLDMREIERLGPRPMLEVIEDCGG
WDLGGAEERPGVAARWDLNRLLYKAQGVYSAAALFSLTVSLDDRNSSRYVIRIDQDGLTLPERTLYLAQD
EDSEKILAAYRVFMERVLSLLGADAVEQKAQEILQVEQQLANITVSEHDDLRRDVSSMYNKVTLGQLQKI
TPHLRWKWLLDQIFQEDFSEEEEVVLLATDYMQQVSQLIRSTPHRVLHNYLVWRVVVVLSEHLSPPFREA
LHELAQEMEGSDKPQELARVCLGQANRHFGMALGALFVHEHFSAASKAKVQQLVEDIKYILGQRLEELDW
MDAETRAAARAKLQYMMVMVGYPDFLLKPDAVDKEYEFEVHEKTYFKNILNSIRFSIQLSVKKIRQEVDK
WLLPPQALNAYYLPNKNQMVFPAGILQPTLYDPDFPQSLNYGGIGTIIGHELTHGYDDWGGQYDRSGNLL
HWWTEASYSRFLRKAECIVRLYDNFTVYNQRVNGKHTLGENIADMGGLKLAYHAYQKWVREHGPEHPLPR
LKYTHDQLFFIAFAQNWCIKRRSQSIYLQVLTDKHAPEHYRVLGSVSQFEEFGRAFHCPKDSPMNPAHKC
SVW

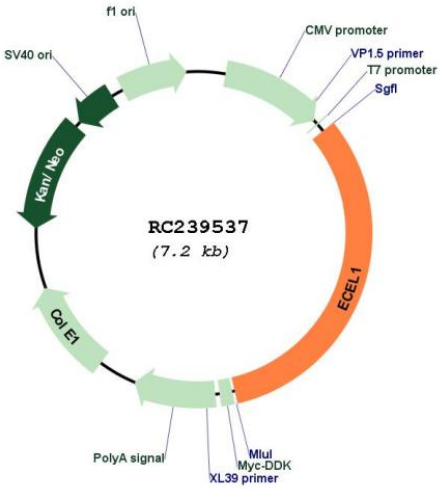
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290787
ORF Size:	2319 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_001290787.2
RefSeq Size:	2903 bp
RefSeq ORF:	2322 bp
Locus ID:	9427
UniProt ID:	O95672
Cytogenetics:	2q37.1

Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	88.1 kDa
Gene Summary:	This gene encodes a member of the M13 family of endopeptidases. Members of this family are zinc-containing type II integral-membrane proteins that are important regulators of neuropeptide and peptide hormone activity. Mutations in this gene are associated with autosomal recessive distal arthrogryposis, type 5D. This gene has multiple pseudogenes on chromosome 2. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014]