

## Product datasheet for **RG208405**

### **ECEL1 (NM\_004826) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ECEL1 (NM_004826) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ECEL1
Synonyms:	DA5D; DINE; ECEX; XCE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG208405 representing NM\_004826  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGCCCCGTATTCGCTGACGGCGCACTACGATGAGTTCCAAGAGGTCAAGTACGTGAGCCGCTGCG  
 GCGCGGGGGCGCGCGCGGGCCCTCCCTGCCCCGGGCTTCCCGTTGGGCGCTGCGCGCAGCGCCACCGG  
 GGCCCGGTCCGGGCTGCCGCGCTGGAACCGCGCGAGGTGTGCCTGCTGTGCGGGCTGGTGTTCGCCGCC  
 GGCTCTGCGCCATTCTGGCGGTATGCTGGCCCTCAAGTACCTGGGCCCGGTGCGCGCCGGCGCGCGG  
 CCTGTCCCAGGGCTGCCCTGAGCGCAAGGCTTCGCGCGCGCCGCTCGTTCTGGCCGCCAACCTGGA  
 CGCCAGCATCGACCCATGCCAGGACTTCTACTCGTTGCGCTGCGGCGTTGGCTGCGCGCCACGCCATC  
 CCCGACGACAAGCTCACCTATGGCACCATCGCGGCCATCGCGGAGCAAAACGAGGAGCGCCTACGGCGCC  
 TGCTGGCGCGGCCGGGGTGGGCTGGCGCGCGGCCAGCGCAAGGTGCGCGCCTTCTCCGCTCGT  
 CCTCGACATGCGCGAGATCGAGCGACTGGGCCCGGACCCATGCTAGAGGTCATCGAGGACTGCGGGGGC  
 TGGGACCTGGGCGCGCGGAGGAGCGTCCGGGGTTCGCGCGCGATGGGACCTCAACCGGCTGCTGTACA  
 AGGCGCAGGGCGTGTACAGCGCCGCCGCTCTTCTCGCTCACGGTCAGCCTGGACGACAGGAACTCCTC  
 GCGCTACGTATCCGATTGACCAGGATGGGCTCACCTGCCAGAGAGGACCCTGTACCTCGCTCAGGAT  
 GAGGACAGTGAGAAGATCCTGGCAGCATACAGGGTGTTCATGGAGCGAGTGTACGCTCCTGGGTGCA  
 ACGCTGTGGAACAGAAGGCCAAGAGATCCTGCAAGTGGAGCAGCAGCTGGCCAACATCACTGTGTGAGA  
 GTATGACGACCTACGGCGAGATGTCAGTCCATGTACAACAAGGTGACGCTGGGGCAGCTGCAGAAGATC  
 ACCCCCCACTTGGGTGGAAGTGGTGTAGACCAGATCTCCAGGAGGACTTCTCAGAGGAAAGAGGAGG  
 TGGTGTCTGGCGACAGACTACATGCAGCAGGTGTCGAGCTCATCCGCTCCACACCCACCCGCTCCT  
 GCACAACCTACCTGGTGTGGCGCGTGGTGGTGGTCTGAGTGAACACCTGTCCCGCCATTCCGTGAGGCA  
 CTGCACGAGCTGGCACAGGAGATGGAGGCGAGCAAGCCACAGGAGCTGGCCCGGTCTGCTTGGGCC  
 AGGCCAATCGCCACTTTGGCATGGCGCTTGGCGCCCTTTTGTACATGAGCACTTCTCAGCTGCCAGCAA  
 AGCCAAGGTGCAGCAGCTAGTGAAGACATCAAGTACATCCTGGGCCAGCGCCTGGAGGAGCTGGACTGG  
 ATGGACGCCGAGACCAGGGCTGCTGCTCGGGCCAAAGCTCCAGTACATGATGGTGTGGTGGCTACCCGG  
 ACTTCTGCTGAAACCCGATGCTGTGGACAAGGAGTATGAGTTTGGAGTCCATGAGAAGACCTACTTCAA  
 GAACATCTTGAACAGCATCCGCTTACGATCCAGCTCTCAGTTAAGAAGATTCGGCAGGAGGTGGACAAG  
 TCCACGTGGCTGCTCCCCACAGGCGCTCAATGCCTACTATCTACCCAACAAGAACCAGATGGTGTTC  
 CCGCGGGCATCCTGCAGCCACCCTGTACGACCTGACTTCCACAGTCTCTCAACTACGGGGGCATCGG  
 CACCATCATTGGACATGAGCTGACCCACGGCTACGACGACTGGGGGGCCAGTATGACCGCTCAGGGAAC  
 CTGCTGCACTGGTGGACGGAGGCTCCTACAGCCGCTTCTGCGAAAGGCTGAGTGCATCGTCCGCTCT  
 ATGACAACTTCACTGTCTACAACCAGCGGGTGAACGGGAAACACACGCTTGGGGAGAACATCGCAGATAT  
 GGGCGGCTCAAGCTGGCTACCACGCCTATCAGAAGTGGGTGCGGGAGCACGGCCAGAGCACCCACTT  
 CCCCAGTCAAGTACACACATGACCAGCTTCTTCTCATTGCCTTTGCCAGAAGTGGTGCATCAAGCGGC  
 GGTGCGAGTCCATCTACCTGCAGGTGCTGACTGACAAGCATGCCCTGAGCACTACAGGGTGTGGGCG  
 TGTGTCCAGTTTGGAGGATTTGGCCGGGCTTCCACTGTCCAAAGGACTCACCCATGAACCTGCCAC  
 AAGTGTTCCGTGTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

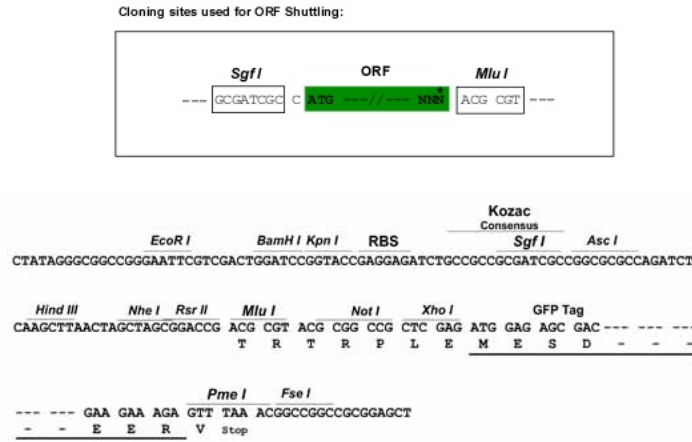
**Protein Sequence:** >RG208405 representing NM\_004826  
 Red=Cloning site Green=Tags(s)

```
MEPPYSLTAHYDEFQEVKYVSRGAGGARGASLPPGFPLGAARSATGARSGLPRWNRREVCLLSGLVFAA
GLCAILAAMLALKYLPVAAGGGACPEGCPERKAFARAARFLAANLDASIDPCQDFYSFACGGWLRRAI
PDDKLT YGTIAAIGE QNEERLRLLARPGGGPGAAQRKVRFFRSC LDMREIERL GPRPML EVIDCGG
WDLGGAEERP GVAARWDLNRLLYKAQGVYSAAALFSLTVSLDDRNSSRYVIRIDQDGLTLPERTLYLAQD
EDSEKILAAAYRVFMERVLSLLGADAVEQKAQEILQVEQQLANITVSEYDDLRRDVSSMYNKVTLGQLQKI
TPHLRWKWLDDQIFQEDFSEEEVLLATDYMQQVSQLIRSTPHRVLHNYLVWRVVVVLSEHLSPPFREA
LHELAQEMEGSDKPQELARVCLGQANRHF GMALGALFVHEHFS AASKAKVQQLVEDIKYILGQRLEELD
MDAETRAAARAKLQYMMVMVGYPDFLLKPD AVDK EYEFVHEKTYFKNILNSIRFSIQLSVKKIRQEV
DKSTWLLPPQALNAYYLPNKNQMVFPAGILQPTLYDPDFPQSLNYGGIGTIIIGHELTHGYDDWGGQYDRSGN
LLHWWTEASYSRFLRKAECIVRLYDNFTVYNQRVNGKHTLGENIADMGGLKLAYHAYQKWVREHGPEHPL
PRLKYTHDQLFFIAFAQNWCIKRRSQSIYLQVLTDKHAPEHYRVLGSVSQFEFEGRAFHC PKDSPMNP
AHKCSVW
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

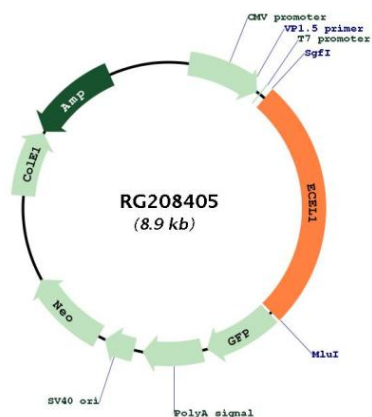


**ACCN:** NM\_004826

**ORF Size:** 2325 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_004826.1</a>, <a href="#">NP_004817.1</a></p>
<b>RefSeq Size:</b>	<p>2872 bp</p>
<b>RefSeq ORF:</b>	<p>2328 bp</p>
<b>Locus ID:</b>	<p>9427</p>
<b>UniProt ID:</b>	<p><a href="#">O95672</a></p>
<b>Cytogenetics:</b>	<p>2q37.1</p>
<b>Protein Families:</b>	<p>Druggable Genome, Protease, Transmembrane</p>
<b>Gene Summary:</b>	<p>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 arthrogyriposis, 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]</p>

Product images:



Circular map for RG208405