

Product datasheet for **SC337431**

ECEL1 (NM_001290787) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001290787, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCCCGTATTCGCTGACGGCGCACTACGATGAGTTCCAAGAGGTCAAGTACGTGAGCCGCTGCG
GCGCGGGGGCGCGCGGGGCTCCCTGCCCGGGCTTCCCGTTGGGCGCTGCGCGCAGCCACCGG
GGCCCGTCCGGCTGCCGCGTGAACCGCGCGAGGTGTCCCTGCTGTGCGGGCTGGTGTTCGCGCC
GGCTCTGCGCCATTCTGGCGGCTATGCTGGCCCTCAAGTACCTGGGCCCGGTGCGGCGCGGGCGG
CCTGTCCCGAGGGCTGCCTGAGCGCAAGGCTTCGCGCGCGCCGCTCGTTCCTGGCGCCAACCTGGA
CGCCAGCATCGACCCATGCCAGGACTTCTACTCGTTTCGCTGCGGCGGTTGGCTGCGGCGCCACGCCATC
CCCAGCACAAGCTCACCTATGGACCATCGCGGCCATCGGCGAGCAAAACGAGGAGCGCTACGGCGCC
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CCTCGACATGCGCGAGATCGAGCGACTGGGCCCGGACCCATGCTAGAGGTATCGAGGACTGCGGGGGC
TGGGACCTGGGCGCGCGGAGGAGCGTCCGGGGTTCGCGCGCGATGGGACCTCAACCGGCTGCTGTACA
AGGCGCAGGGCGTGTACAGCGCCCGCGCTCTTCTCGCTCACGGTCAGCCTGGACGACAGGAACCTCTC
GGCTACGTCATCCGATTGACCAGGATGGGCTCACCTGCCAGAGAGGACCCTGTACCTCGCTCAGGAT
GAGGACAGTGAGAAGATCCTGGCAGCATACAGGTTGTTTCATGGAGCGAGTGTACGCTCCTGGGTGCAG
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TGGTGTGCTGGCGACAGACTACATGCAGCAGGTGTCGACGCTCATCCGCTCCACACCCACCGGGTCT
GCACAACACTACCTGGTGTGGCGCGTGGTGGTGGTCTGAGTGAACACCTGTCCCGCCATTCGCTGAGGCA
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AGCCAAGGTGCAGCAGCTAGTGAAGACATCAAGTACATCCTGGGCCAGCGCTGGAGGAGCTGGACTGG
ATGGACGCCGAGACCAGGGCTGTGCTCGGGCCAAGCTCCAGTACATGATGGTGTGGTGGCTACCCGG
ACTTCTGCTGAAACCCGATGCTGTGGACAAGGAGTATGAGTTTGGGTCATGAGAAGACCTACTTCAA
GAACATCTTGAACAGCATCCGCTTACGATCCAGCTCTCAGTTAAGAAGATTCGGCAGGAGGTGGACAAG
TGGCTGTCCCCCACAGGCGCTCAATGCCTACTATCTACCCAACAAGAACCAGATGGTGTCCCCGCGG
GCATCTCGACGCCACCCTGTACGACCCTGACTCCCACAGTCTCTCAACTACGGGGGCATCGGCACCAT
CATTGGACATGAGCTGACCCACGGCTACGACGACTGGGGGGCCAGTATGACCGCTCAGGGAACCTGCTG
CACTGGTGGACGAGGCCTCTACAGCCGCTTCTGCGAAAGGCTGAGTGATCGTCCGCTCTATGACA
ACTTCACTGTCTACAACCAGCGGTGAACGGGAAACACACGCTTGGGGGAGAACATCGCAGATATGGCGG
CCTCAAGCTGGCCTACCACGCCTATCAGAAGTGGGTGCGGGAGCACGGCCAGAGCACCCACTTCCCCGG
CTCAAGTACACACATGACCAGCTCTTCTTATTGCCTTTGCCAGAACTGGTGCATCAAGCGGGGTGCG
AGTCCATCTACCTGCAGGTGCTGACTGACAAGCATGCCCTGAGCACTACAGGTTGCTGGGCAGTGTGTC
CCAGTTTGAGGAGTTTGGCCGGGCTTCCACTGTCCCAAGGACTACCCATGAACCTGCCACAAGTGT
TCCGTGTGGTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001290787

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.
RefSeq:	<u>NM_001290787.1, NP_001277716.1</u>
RefSeq Size:	2903 bp
RefSeq ORF:	2322 bp
Locus ID:	9427
UniProt ID:	<u>O95672</u>
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome, Protease, Transmembrane
Gene Summary:	<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 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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. This results in a shorter protein (isoform 2) compared to isoform 1.</p> <p>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.</p>