

Product datasheet for **SC125561**

ECEL1 (NM_004826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECEL1 (NM_004826) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECEL1
Synonyms:	DA5D; DINE; ECEX; XCE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_004826 edited
 GGCGGGCGGGCTGGGAGACACCGGACGCCCGCTCGGCTGCGCTGCGGCTCAGGCCCCCG
 CTCGGGCCCGACCCGCTCGGTACCGCCGGCTCGGGCGCGCACCTGCCGGCTGCGGCCCG
 AGGGCCATGCGGAGGCCACGAGGAGGCCGGCCACGCGCATCCCGTAGCCAGGTGG
 CCCAGGTCTGCACCGGGCGGCTCGGCGCCATGGAGCCCCGTATTCGCTGACGGCGCA
 CTACGATGAGTTCCAAGAGTCAAGTACGTGAGCCGCTGCGGCGCGGGGGGCGCGCGG
 GGCTCCCTGCCCGGGCTTCCCGTTGGGCGCTGCGCGCAGCGCCACCGGGGCCCGGTC
 CGGGCTGCCGCGCTGGAACCGGCGGAGGTGTCCCTGCTGTGCGGGCTGGTGTTCGCCCG
 CGGCTCTGCGCCATTCTGGCGGTATGCTGGCCCTCAAGTACCTGGGCCGGTTCGCGGC
 CGGCGGGCGGCTGTCCCGAGGGCTGCCCTGAGCGCAAGGCCTTCGCGCGCGCCGCTCG
 CTTCTGGCCGCAACCTGGACGCCAGCATCGACCCATGCCAGGACTTCTACTGTTTCG
 CTGCGGGGTTGGCTGCGGCGCCACGCCATCCCCGACGACAAGCTCACCTATGGCACCAT
 CGCGGCCATCGGCGAGCAAAACGAGGAGCGCTACGGCGCTGCTGGCGGGCCCGGGGG
 TGGCCTGGCGGCGGGCCAGCGCAAGGTGCGCGCCTTCTTCCGCTCGTGCCTCGACAT
 GCGCGAGATCGAGCGACTGGGCCGCGACCCATGCTAGAGGTTCATCGAGGACTGCGGGGG
 CTGGGACCTGGGCGGCGGGAGGAGCGTCCGGGGTTCGCGCGCGATGGGACCTCAACCG
 GCTGCTGTACAAGGCGCAGGGCGTGTACAGCGCCCGCGCTCTTCTCGCTCACGGTCAG
 CCTGGACGACAGGAACCTCTCGGCTACGTATCCGCATTGACCAGGATGGGCTCACCT
 GCCAGAGAGGACCTGTACCTCGCTCAGGATGAGGACAGTGAAGAATCTGGCAGCATA
 CAGGGTGTTCATGGAGCGAGTGTACGCTCCTGGGTGCAGACGCTGTGGAACAGAAGGC
 CCAAGAGATCCTGCAAGTGGAGCAGCAGCTGGCCAACATCACTGTGTGAGATATGACGA
 CCTACGGCGAGATGTAGCTCCATGTACAACAAGGTGACGCTGGGGCAGCTGCAGAAGT
 CACCCCACTTGGGGTGAAGTGGCTGTAGACCAGATCTTCCAGGAGGACTTTCAGAG
 GGAAGAGGAGGTGGTGTGCTGGCGACAGACTACATGCAGCAGGTGTCCGAGCTCATCCG
 CTCACACCCACCGGGTCTGCACAACCTACCTGGTGTGGCGCGTGGTGGTGGTCTGAG
 TGAACACCTGTCCCGCCATTCCGTGAGGCACTGCACGAGCTGGCACAGGAGATGGAGGG
 CAGCGACAAGCCACAGGAGCTGGCCCGGTCTGCTTGGGCCAGGCCAATCGCCACTTTGG
 CATGGCGCTTGGCGCCCTTTTGTACATGAGCACTTCTCAGTGCAGCAAAAGCCAAAGT
 GCAGCAGTAGTGAAGACATCAAGTACATCCTGGCCAGCGCTGGAGGAGCTGGACTG
 GATGGACGCCGAGACCAGGGTGTGCTGCTGGGCCAAGCTCCAGTACATGATGGTATGGT
 CGGCTACCCGACTTCTGCTGAAACCCGATGCTGTGGACAAGGAGTATGAGTTGAGGT
 CCATGAGAAGACCTACTTCAAGAACATCTTGAACAGCATCCGCTTCAGCATCCAGCTCTC
 AGTTAAGAAGATTTCGGCAGGAGGTGGACAAGTCCACGTGGCTGCTCCCCCACAGGCGCT
 CAATGCCTACTATCTACCCAACAAGAACCAGATGGTGTTCGCCGCGGGCATCCTGCAGCC
 CACCCTGTACGACCTGACTTCCACAGTCTCTCAACTACGGGGGCATCGGCACCATCAT
 TGGACATGAGCTGACCCACGGCTACGACGACTGGGGGGCCAGTATGACCGCTCAGGGAA
 CCTGCTGCACTGGTGGACGGAGGCTCCTACAGCCGCTTCTGCGAAAGGCTGAGTGCAT
 CGTCCGCTCTATGACAACCTCACTGTCTACAACCAGCGGGTGAACGGGAAACACAGCT
 TGGGGAGAACATCGCAGATATGGGCGGCTCAAGCTGGCCTACCACGCTATCAGAAGTG
 GGTGCGGGAGCACGGCCAGAGCACCCACTTCCCGGCTCAAGTACACACATGACCAGCT
 CTTCTTATTGCCTTTGCCAGAACTGGTGCATCAAGCGCGGTCGCACTCCATCTACCT
 GCAGGTGCTGACTGACAAGCATGCCCTGAGCACTACAGGGTGTGGCAGTGTGTCCCA
 GTTTGAGGAGTTTGGCCGGGCTTCCACTGTCCCAAGGACTCACCCATGAACCCTGCCCA
 CAAGTGTTCGCTGGTGGTGGCTGGCTGCCCGCTGCACGCCCCACTGCCCGGCACGA
 ATCACCTCTGCTGGCTACCGGGCAGGCATGCACCCGGTCCAGCCCCGCTCTGGGCAC
 CACCTGCCTTCCAGCCCCCAGGACCCGGTCCCCTGCTGCCCTCACTTCCAGGAGGG
 CCTGGAGCAGGGTGGGCTGGACTTTGGGGGGCTGTGAGGGAAATATACTGGGGTCCCCA
 GATTCTGCTCTAAGGGGGCCAGACCCCTCTGCCAGGCTGGATTGTACGGGGCCACCTTCG
 CTGTGTTCTTGTGCAAAAGTCTGGTCAATAAATCACTGCACTGTTAAAAAAAAAAAAAA
 AA

Restriction Sites: NotI-NotI

ACCN:	NM_004826
Insert Size:	2900 bp
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a good match to the protein associated to this reference except for one 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_004826.1</u> , <u>NP_004817.1</u>
RefSeq Size:	2872 bp
RefSeq ORF:	2328 bp
Locus ID:	9427
UniProt ID:	<u>O95672</u>
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome, Protease, Transmembrane

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]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).