

Product datasheet for **SC126335**

ECEL1 (BC050453) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECEL1 (BC050453) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECEL1
Synonyms:	damage induced neuronal endopeptidase; DINE; ECEX; endothelin converting enzyme-like 1; OTTHUMP00000164361; XCE; X converting enzyme
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF:

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>OriGene sequence for BC050453 edited
GGCGGGGGCGCTGGGAGACACCGGACGCCCGCTCGGCTGCGCTGCGGCTCAGGCCCCCG
CTCGGGGCCGACCCGCTCGGTACCGCCGGCTCGGGCGCGCACCTGCCGGCTGCGGCCCC
AGGGCCATGCGGAGGCCACGAGGAGGCCGGCCACGCGCATCCCGTAGCCAGGTGG
CCCAGGTCTGCACCGGGCGGCTCGGCGCCATGGAGCCCCGTATTCGCTGACGGCGCA
CTACGATGAGTTCCAAGAGTCAAGTACGTGAGCCGCTGCGGCGCGGGGGGCGCGCGG
GGCTCCCTGCCCGGGCTTCCCGTTGGGCGCTGCGCGCAGCGCCACCGGGGCCCGGTC
CGGGCTGCCGCGCTGGAACCGGCGGAGGTGTCCCTGCTGTGCGGGCTGGTGTTCGCCGC
CGGCTCTGCGCCATTCTGGCGGTATGCTGGCCCTCAAGTACCTGGGCCGGTTCGCGGC
CGGCGGGCGCCTGTCCGAGGGCTGCCCTGAGCGCAAGGCCTTCGCGCGCGCCGCTCG
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CTGCGGGGTTGGCTGCGGCGCCACGCCATCCCCGACGACAAGCTCACCTATGGCACCAT
CGCGGCCATCGGCGAGCAAAACGAGGAGCGCTACGGCGCTGCTGGCGGGCCCGGGGG
TGGGCTGGCGGCGGGCCAGCGCAAGGTGCGCGCCTTCTTCCGCTCGTGCCTCGACAT
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CTGGGACCTGGGCGGCGGGAGGAGCGTCCGGGGTTCGCGGCGGATGGGACCTCAACCG
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CCTGGACGACAGGAACCTCTCGGCTACGTATCCGCATTGACCAGGATGGGCTCACCT
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CCTACGGCGAGATGTGAGTCCATGTACAACAAGGTGACGCTGGGGCAGCTGCAGAAGT
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CGGCTACCCGACTTCTGCTGAAACCCGATGCTGTGGACAAGGAGTATGAGTTGAGGT
CCATGAGAAGACCTACTTCAAGAACATCTTGAACAGCATCCGCTTCAGCATCCAGCTCTC
AGTTAAGAAGATTGCGCAGGAGGTGGACAAGTCCACGTGGCTGCTCCCCCACAGGCGCT
CAATGCCTACTATCTACCAACAAGAACCAGATGGTGTTCGCCGCGGGCATCCTGCAGCC
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TGGACATGAGCTGACCCACGGCTACGACGACTGGGGGGCCAGTATGACCGCTCAGGGAA
CCTGCTGCACTGGTGGACGGAGGCTCCTACAGCCGCTTCTGCGAAAGGCTGAGTGCAT
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TGGGGAGAACATCGCAGATATGGGCGGCCTCAAGCTGGCCTACCACGCTATCAGAAGTG
GGTGGGAGACAGGCCAGAGCACCCACTTCCCGGCTCAAGTACACACATGACCAGCT
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GTTTGAGGAGTTTGGCCGGGCTTCCACTGTCCCAAGGACTCACCCATGAACCCTGCCCA
CAAGTGTTCGTTGGTGGAGCTGGTGGCCGCTGCACGCCCCACTGCCCGGCACGA
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CACCTGCCTTCCAGCCCCCAGGACCCGGTCCCCTGCTGCCCTCACTTCCAGGAGGG
CCTGGAGCAGGGTGGGCTGGACTTTGGGGGGCTGTGAGGAAATATACTGGGGTCCCCA
GATTCTGCTCTAAGGGGGCCAGACCCCTCTGCCAGGCTGGATTGTACGGGGCCACCTTCG
CTGTGTTCTGCTGCAAAGTCTGGTCAATAAATCACTGCACTGTTAAAAAAAAAAAAAA
AA
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC050453 unedited GGCGGTTGGATTTTGTATACGACTCACTATAGGCGGCCGCGTATTAGATCTGGTACCGG TCCGGAATCCCAGGATATCGTCGACCCACGCGTCCGGGCGGCGGGCGCTGGGAGACACC GGACGCCCGCTCGGCTGCGCTGCGGCTCAGGCCCGCTCGGGCCGACCCGCTCGGTCA CCGCCGGCTCGGGCGCGCACCTGCCGGCTGCGGCCAGGGCCATGCGGAGGCCACGAG GAGGCCGGCGCCACGCGCATCCCGTAGCCAGGTGCCAGGTCTGACCCGCGGGCC TCGGCGCCATGGAGCCCCGTTATTCGCTGACGGCGCACTACGATGAGTTCCAAGAGTCA AGTACGTGAGCCGCTGCGGCGCGGGGGCGCGCGGGGCTCCCTGCCCGGGCTTCC CGTTGGGCGCTGCGCGCAGCGCCACCGGGCCCGTCCGGGCTGCGCGCTGGAACCGGC GCGAGGTGTGCTGTGCGGGCTGGTGTTCGCCCGCGCTCTGCGCCATTCTGGCGG CTATGCTGGCCCTCAAGTACCTGGGCCCGCGCGGGGGCGGGGCTGTCCGAGG GCTGCCCTGAGCGCAAGGGTTTTGCGCGCGCCGCTCGCTTCTGGCCGCAACCTGGATT CCCGCATGACCCATGCCCGACTATCACTAAATCGAATGTGGCGTTGGCTGCCGGCC CCCCCTCCCGGAGACAAGCTCACCTCTGGGCCAATCGGGGCCCTTGGCGGAGCCAAC CCCGGAGCCCCACGGGCGCTGGTTGACGCGCCCCGGGTGGGCCCTGGCGTGGCGG CCACCCAGGGGCGCCCTTATTCCCGTCCGCGCCCGGTCTTCGCGCGGACTCAC AACCACTGGG
Restriction Sites:	NotI-NotI
ACCN:	BC050453
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:	BC050453.1 , AAH50453.2
RefSeq Size:	2882 bp
Locus ID:	9427
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]