

Product datasheet for **SC327289**

EVC2 (NM_001166136) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EVC2 (NM_001166136) Human Untagged Clone
Tag:	Tag Free
Symbol:	EVC2
Synonyms:	LBN; WAD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166136, the custom clone sequence may differ by one or more nucleotides

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ATGATTTGGCCCAAAGTGGAAATGCTGTCACTTTAAGACTGCAGTGAAGCACCCTTGG
ATGAAATTGGACAAGAAAATGGAAGTCTTCATCCCACTCTCAACTTCTGCAGCCTTAGT
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CAGGCTAGTAAGAGGTATCATCTAAGTAAAAGATTTGGCCACAGGGAATATCTGGTCCAG
AACCTCCAGTCATCAGAGACCCGTGTGCAGGGCCTTCTGAGCACCCTGCAGCCCAGCTG
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GAGCTGAGACTGGCATCGTACCTGGCGAGGATGGCCATGGTGCCCGGGCCACGTTTCGC
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TCGGCCACCAGAGACATGTGGACCACGCAGCTGAGAGCGATGGCGGAGCGGAGCAGGCC
GACGTGGGCAGGGGAGGAAACACCAGAGCTGGTGGCAAGCCTTAGATGGCAAACCTGCGA
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CCAGAGATCTCACTGCACGTTCTCCAGGAAAAAGAAGAAGCTTTTGAATGCCAAAAAG
GCCATGAGGGCCTTGGGCATGGAC

- Restriction Sites:** Please inquire
- ACCN:** NM_001166136
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_001166136.1](#), [NP_001159608.1](#)

RefSeq Size: 4864 bp

RefSeq ORF: 3687 bp

Locus ID: 132884

UniProt ID: [Q86UK5](#)

Cytogenetics: 4p16.2

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein that functions in bone formation and skeletal development. Mutations in this gene, as well as in a neighboring gene that lies in a head-to-head configuration, cause Ellis-van Creveld syndrome, an autosomal recessive skeletal dysplasia that is also known as chondroectodermal dysplasia. Mutations in this gene also cause acrofacial dysostosis Weyers type, also referred to as Curry-Hall syndrome, a disease that combines limb and facial abnormalities. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream translational start codon, compared to variant 1. The resulting isoform (2) is shorter at the N-terminus, compared to isoform 1.