OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC224382

Ellis van Creveld syndrome (EVC) (NM_153717) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ellis van Creveld syndrome
Synonyms:	DWF-1; EVC1; EVCL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC224382 representing NM_153717
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC224382 representing NM_153717
Red=Cloning site Green=Tags(s)

MARGGAACKSDARLLLGRDALRPAPALLAPAVLLGAALGLGLGLWLGCRAGRQRTRHQKDDTQNLLKNLE
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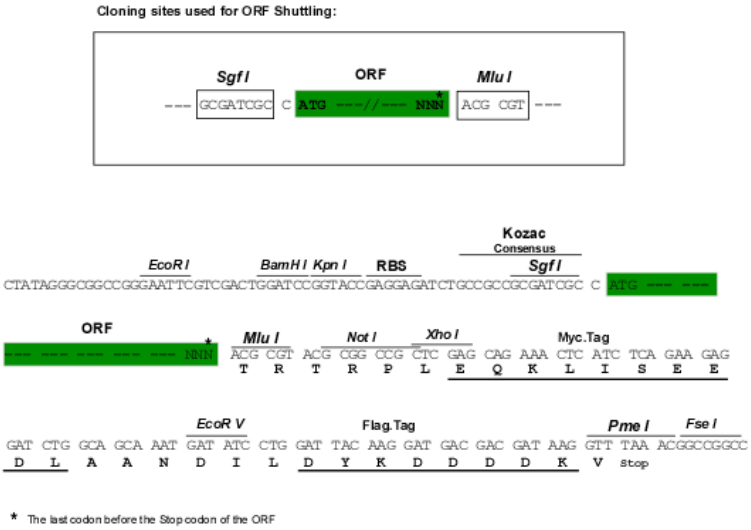
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3328_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

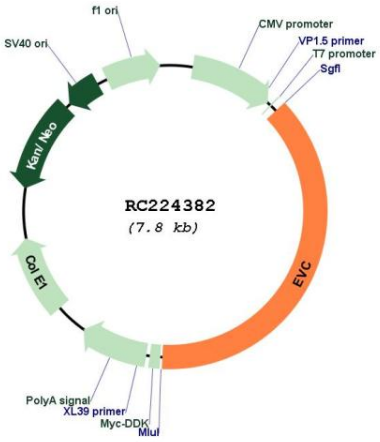


ACCN: NM_153717

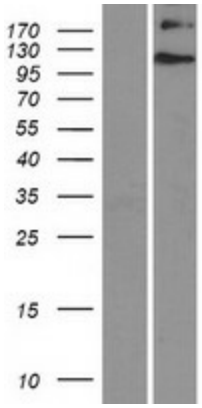
ORF Size: 2973 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153717.3
RefSeq Size:	6430 bp
RefSeq ORF:	2979 bp
Locus ID:	2121
UniProt ID:	P57679
Cytogenetics:	4p16.2
Protein Families:	Transmembrane
MW:	111.8 kDa
Gene Summary:	This gene encodes a protein containing a leucine zipper and a transmembrane domain. This gene has been implicated in both Ellis-van Creveld syndrome (EvC) and Weyers acrodental dysostosis. [provided by RefSeq, Jul 2008]

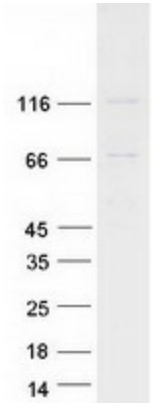
Product images:



Circular map for RC224382



Western blot validation of overexpression lysate (Cat# [LY406938]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224382 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified EVC protein (Cat# [TP324382]). The protein was produced from HEK293T cells transfected with EVC cDNA clone (Cat# RC224382) using MegaTran 2.0 (Cat# [TT210002]).