

Product datasheet for **SC332658**

ECT2 (NM_001258315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ECT2 (NM_001258315) Human Untagged Clone
Tag:	Tag Free
Symbol:	ECT2
Synonyms:	ARHGEF31
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332658 representing NM_001258315.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGAAAATAGTGTATTAACATCCACTACTGGGAGGACTAGCTTGGCAGACTCTTCCATTTTGGAT
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Restriction Sites: SgfI-MluI
ACCN: NM_001258315
Insert Size: 2745 bp

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_001258315.1</u>
RefSeq Size:	4192 bp
RefSeq ORF:	2745 bp
Locus ID:	1894
UniProt ID:	<u>Q9H8V3</u>
Cytogenetics:	3q26.31
Protein Families:	Druggable Genome
MW:	103.5 kDa
Gene Summary:	<p>The protein encoded by this gene is a guanine nucleotide exchange factor and transforming protein that is related to Rho-specific exchange factors and yeast cell cycle regulators. The expression of this gene is elevated with the onset of DNA synthesis and remains elevated during G2 and M phases. In situ hybridization analysis showed that expression is at a high level in cells undergoing mitosis in regenerating liver. Thus, this protein is expressed in a cell cycle-dependent manner during liver regeneration, and is thought to have an important role in the regulation of cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1), as well as variants 8, 9, and 10, encodes the isoform (a).</p>