

## Product datasheet for **SC307473**

### DLC1 (NM\_182643) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DLC1 (NM_182643) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLC1
Synonyms:	ARHGAP7; HP; p122-RhoGAP; STARD12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307473 representing NM_182643. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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**Restriction Sites:** SgfI-MluI  
**Plasmid Map:**   
**ACCN:** NM\_182643

<b>Insert Size:</b>	4587 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_182643.2</a>
<b>RefSeq Size:</b>	7479 bp
<b>RefSeq ORF:</b>	4587 bp
<b>Locus ID:</b>	10395
<b>UniProt ID:</b>	<a href="#">Q96QB1</a>
<b>Cytogenetics:</b>	8p22
<b>MW:</b>	170.6 kDa
<b>Gene Summary:</b>	<p>This gene encodes a GTPase-activating protein (GAP) that is a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins. GAP family proteins participate in signaling pathways that regulate cell processes involved in cytoskeletal changes. This gene functions as a tumor suppressor gene in a number of common cancers, including prostate, lung, colorectal, and breast cancers. Multiple transcript variants due to alternative promoters and alternative splicing have been found for this gene.[provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Variant 1 represents a transcript that is found in low abundance. Variants 1 and 6 both encode the same isoform (1).</p>