

## Product datasheet for **SC310016**

### STARD13 (NM\_052851) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STARD13 (NM\_052851) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STARD13  
**Synonyms:** ARHGAP37; DLC2; GT650; LINC00464  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_052851, the custom clone sequence may differ by one or more nucleotides

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ATGAAACTTGATGTGAACTTCCAAAGGAAAAAGGGTGACGACTCCGATGAGGAAGATCTT
TGTATCAGCAACAAATGGACTTTCCAAAGAACCAGTCGCAGGTGGTCTCGTGTGGACGAC
CTCTACACGCTGCTCCCTCGAGGAGACAGAAATGGGTACCGGGAGGCACGGGGATGAGG
AACACGACCAGCAGTGAGAGCGTCTCACAGACCTGAGCGAGCCTGAGGTCTGCTCCATT
CACAGCGAAAGCAGTGGAGGCAGCGACAGTCGCAGCCAGCCGGGCCAGTGTGTACAGAC
AACCCGGTCATGTGGATGCCCACTCGTCAGCAGCAGCCTCCCACAGCCCCCAGAGAT
GTCCTCAACCACCCCTTCCACCCCAAGAATGAGAAGCCCAGAGGGCTAGGGCCAATCA
TTTTTGAAACGCATGAAACACTCCGAGGGAAGGGAGCCACGGGAGGCATAAGGGGTCT
GGCGGCAGAGGTGGCCTGGTGATCAGTGGGCCATGTTGCAGCAGGAGCCAGAGTCTTTT
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TGCAGAAAAGGGTCCCATGCTCTGGCAAGTCGAGTGGCGAGAGCAGCCCGTCCGAGCAC
AGCAGCAGCGGGGTGAGCACGCCCTGCCTGAAGGAACGCAAGTCCACAGAGGCCAACAAG
CGCGGGGGCATGTACTTGGAGGACCTAGATGTGCTGGCGGGGACAGCACTGCCGGATGCA
GGGGACCAAAGCCGATGCATGAATTTCACTCCAAGAGAATTTGGTGGTGCATATTCCC
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GTAGTCGATGACTGGTCCAAAGATGTCTTGCTGAACTGCAAACCTCATGATACATTGGTT
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AACTCTGTCTCAGAAGGTCGGACGACACCCAGTGTGTTGAAAGAGATGTAACATCTCTT
AATGAATCTGAGCCTCCTGGGGTCAGAGACAGGAGGGATTCTGGTGTAGGGCCCTCTCTG
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GCCCCAGCATCGCCCCACATCAGCAGCCAGACGGCCAGCCAGCTGAGCCTGCTCCAGCGC
TTCTCACTGCTCCGCCTCACGGCCATCATGGAGAAGCACTCCATGTCCAACAAGCACGGC
TGGACATGGTCAGTTCCAAAGTTCATGAAGAGGATGAAAGTTCCCGACTACAAAGACAAG
GCTGTCTTTGGCGTTCTCTCATAGTCCACGTCCAAGAACGGGACAGCCCCTGCCTCAA
AGTATTCAGCAAGCACTGAGATATCTACGCAGCAACTGCCTCGATCAGGTGGGTCTTTT

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CGCAAATCAGGAGTGAAGTCTCGAATCCATGCCCTTCGCCAAATGAATGAAAACCTCCCT  
 GAGAACGTCAACTATGAAGACCAGTCTGCTTATGATGTGGCGGATATGGTGAAACAGTTC  
 TTCCGGGACCTCCCTGAGCCTCTTTTCACCAACAAGCTCAGTGAGACCTTTCTCCATATC  
 TATCAGTATGTCTCCAAAGAGCAGCGGCTGCAGGCCGTGCAGGCTGCCATCCTGCTACTG  
 GCCGATGAGAACAGGGAGGTCTGCAGACGCTCTGTGTTTCTGAACGACGTCGTCAAC  
 TTGGTGGAAAGAGAATCAGATGACGCCATGAACCTGGCAGTGTGTCTGGCCCCCTCCCTC  
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 ACTGGGAAGCCAGATCAAAGGACCTCAACGAGAATCTGGCAGCAGCTCAGGGGCTAGCG  
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 CGTAACTCGTATGTGGAGGCTGAGATCCACGTGCCAACCTGGAAGAATTGGGGACACAG  
 CTGGAGGAGAGTGGGGCAACTTTCCACACTTACCTGAACCATCTCATCCAGGGCTCCAG  
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 AAAACTGATTTGCCCAAAGGAATGTGTACCCTGGTGTCCCTCTCCGTGGAGCATGAGGAA  
 GCCCAGCTCCTGGGTGGTGTGCGAGCAGTGGTGTGGACTCGCAGTACTTGATAGAACC  
 TGTGGCTCTGGCAAGTCAAGACTGACTCACATCTGCAGGATAGACCTGAAAGGTCCTCC  
 CCAGAATGGTACAGCAAAGGCTTTGGACATCTGTGTGACAGAGAAGTTGCCAGGATTAGA  
 AACTCTTCCAGCCCCTCATTGCTGAGGGCCAGAACTAAAATCTGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_052851

**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\\_052851.1](#), [NP\\_443083.1](#)

**RefSeq Size:**

5784 bp

**RefSeq ORF:**

2988 bp

**Locus ID:**

90627

UniProt ID: [Q9Y3M8](#)

Cytogenetics: 13q13.1-q13.2

Domains: RhoGAP, START

**Gene Summary:** This gene encodes a protein which contains an N-terminal sterile alpha motif (SAM) for protein-protein interactions, followed by an ATP/GTP-binding motif, a GTPase-activating protein (GAP) domain, and a C-terminal STAR-related lipid transfer (START) domain. It may be involved in regulation of cytoskeletal reorganization, cell proliferation, and cell motility, and acts as a tumor suppressor in hepatoma cells. The gene is located in a region of chromosome 13 that is associated with loss of heterozygosity in hepatocellular carcinomas. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (3) contains an alternate 5' terminal exon compared to variant 1. This results in translation initiation from an in-frame downstream AUG, and an isoform (3, also known as DLC2gamma) with a shorter N-terminus compared to isoform 1.