

Product datasheet for **SC332005**

STARD13 (NM_001243474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD13 (NM_001243474) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD13
Synonyms:	ARHGAP37; DLC2; GT650; LINC00464
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC332005 representing NM_001243474.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAACTTGATGTGAACCTCCAAAGGAAAAAGGGTGACGACTCCGATGAGGAAGATCTTTGTATCAGC
AACAAATGGACTTTCCAAAGAACCAGTCGCAGGTGGTCTCGTGTGGACGACCTCTACACGCTGCTCCCT
CGAGGAGACAGAAATGGGTACCCGGGAGGCACGGGGATGAGGAACACGACCAGCAGTGGAGCGTCCCTC
ACAGACTGAGCGAGCCTGAGGTCTGCTCCATTCACAGCGAAAGCAGTGGAGGCAGCGACAGTCCGAGC
CAGCCCGGCCAGTGTGTACAGACAACCCGGTCACTGCTGGATGCCCACTCGTCAGCAGCAGCCTCCCA
CAGCCCCCAGAGATGTCTCAACCACCCCTTCCACCCCAAGAATGAGAAGCCCACGAGGGCTAGGGCC
AAATCATTTTTGAAACGCATGGAACACTCCGAGGGAAGGGAGCCACGGGAGGCATAAGGGGTCTGGG
CGGACAGGTGGCCTGGTATCAGTGGGCCATGTTGCAGCAGGAGCCAGAGTCTTTAAGGCTATGCAG
TGCATCCAAATACCAATGGAGATCTCCAGAATTCGCCGCCACCTGCCTGCAGAAAAGGGCTCCCATGC
TCTGGCAAGTGCAGTGGCGAGAGCAGCCGTGGAGCACAGCAGCAGCGGGGTGAGCAGCCCTGCCTG
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GATGACATTCTGCAGCATGTCAATGGGCTCCAAGAGGTAGTCGATGACTGGTCCAAGATGTCTTGCCT
GAACTGCAAACTCATGATACATTGGTTGGGGAACCTGGCTTATCCACCTTCCATCTCCTAATCAGATC
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TCGCCCCACATCAGCAGCCAGACGGCCAGCCAGCTGAGCCTGCTCCAGCGCTTCTCACTGCTCCGCCCTC
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CAGGTGGTCTTTTTCGCAAATCAGGAGTGAAGTCTCGAATCCATGCCCTTCGCCAAATGAATGAAAAC
TTCCCTGAGAACGTCAACTATGAAGACCAGTCTGCTTATGATGTGGCGGATATGGTGAACAGTTCTTC
CGGGACCTCCCTGAGCCTTTTTACCAACAAGCTCAGTGAACCTTTTCCATATCTATCAGTGAAG
TGGAAATAA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001243474

Insert Size: 1941 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:

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_001243474.1](#)

RefSeq Size: 2877 bp

RefSeq ORF: 1941 bp

Locus ID: 90627

UniProt ID: [Q9Y3M8](#)

Cytogenetics: 13q13.1-q13.2

MW: 71.9 kDa

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 (6) contains an alternate 5' terminal exon, and differs at the 3' end compared to variant 1. This results in translation initiation from an in-frame downstream AUG, and an isoform (6) with a shorter N-terminus, and a distinct C-terminus compared to isoform 1.