

## Product datasheet for **RG235159**

### STARD13 (NM\_001243476) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STARD13 (NM_001243476) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STARD13
Synonyms:	ARHGAP37; DLC2; GT650; LINC00464
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235159 representing NM_001243476 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCAACTGGAACCAACCAAAAACTAAAGTGCTCTCTGATAACAGACCCAAAGAAAGAGTGAAATTG  
AGGCAAAAGAAGCATGTGACTGGCTCCGTGCTGCCGGTTCGCCGAATACGCTCAGTTATATGAGGATTC  
ACAATTTCCCATCAACATTGTGGCTGTCAAGAATGATCATGATTTTCTTAAAAGGACCTGTAGAACCT  
CTTTGCAGACGACTAAATACGTTGAACAAGTGTGCCTCAATGAACTTGATGTGAACTTCCAAGGAAAA  
AGGGTGACGACTCCGATGAGGAAGATCTTGTATCAGCAACAAATGGACTTCCAAGAACCAGTCGCAG  
GTGGTCTCGTGTGACGACCTCTACACGCTGCTCCCTCGAGGAGACAGAAATGGGTCAACGGGAGGCACG  
GGGATGAGGAACACGACCAGCAGTGAGAGCGTCTCACAGACCTGAGCGAGCCTGAGGTCTGCTCCATTC  
ACAGCGAAAGCAGTGGAGGCAGCGACAGTGCAGCCAGCCGGCCAGTGCTGTACAGACAACCCGGTTCAT  
GCTGGATGCCCACTCGTCAGCAGCAGCCTCCACAGCCCCCAGAGATGTCTCAACCACCCCTCCAC  
CCCAAGAATGAGAAGCCACGAGGGCTAGGGCCAAATCATTTTTGAAACGCATGGAACACTCCGAGGGA  
AGGGAGCCACGGGAGGCATAAGGGGTCTGGCGGACAGGTGGCTGGTATCAGTGGGCCATGTTGCA  
GCAGGAGCCAGAGTCCTTTAAGGCTATGCAGTGCATCAAATACCAATGGAGATCTCCAGAATTCGCC  
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GTACTTGAGGACCTAGATGTGCTGGCGGGACAGCACTGCCGGATGCAGGGGACCAAAGCCGATGCAT  
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TTTCCATCTCCTAATCAGATCACCTTAGATTTTGAAGGTAACCTCTGTCTCAGAAGGTCGGACGACACCCA
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CCCAGTCTCGGTGGTGTGCGAGCAGTGGTGTGACTCGCAGTACTTGATAGAACCCTGTGGCTCTGG
CAAGTCAAGACTGACTCACATCTGCAGGATAGACCTGAAAGGTCACTCCCAAGAATGGTACAGCAAAGGC
TTTGGACATCTGTGTGCAGCAGAAGTTGCCAGGATTAGAAACTCTTCCAGCCCCTCATTGCTGAGGGCC
CAGAAAATAAATC
    
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG235159 representing NM\_001243476

Red=Cloning site Green=Tags(s)

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MSTGTQPKTKVLSNRPKERVEIEAKEACDWLRAAGFPQYAQLYEDSQFPINIVAVKNDHDFLEKDLVEP
LCRRNLNLNKCASMKLDVNFQRKKGDDSDDEEDLCISNKWTFQRTSRRWSRVDDL YLLPRGDRNGSPGGT
GMRNTTSSSESVL TDLSEPEVCSIHSESSGGSDRSQPGQCCTDNPVMLDAPLVSSSLPQPPRDVLNHPFH
PKNEKPTRARAKSFLKRMETLRGKAHGRHKGSGRTGGLVISGPMLQQEPESEFKAMQCIQIPNGDLQNSP
PPACRKGLPSCGKSSGESSEHSSGVSTPCLKERKCHEANKRGGMYLEDLDVLAGTALPDAGDQSRMH
EFHSQENLVVHIPKDHKPGTFPKALSIESLSPTDSSNGVNWRTGSI SLGREQVPGAREPRLMASCHRASR
VSIYDNPVPGSHLYASTGDLLDLEKDDL FPHLDDILQHVNGLQEVVDDWSKDVLPELQTHDTLVGEPGLST
FPSPNQITLDFEGNSVSEGRTPSDVERDVTSLNESEPPGVRDRRDSVGVASLTRPNRRLRWNSFQLSHQ
PRPAPASPHISSQTASQLSLLQRFSLRLTAIMEKHSMSNKHGWTSVVPKFMKRMKVPDYKDAVFGVPL
IVHVQRTGQPLPQSIQQALRYLRSNCLDQVGLFRKSGVKSR IHALRQMNENFPENVNVEDQSA YDADMV
KQFFRDLPEPLFTNKLSETFLHIYQYVSKEQRLQAVQAAI LLLADENREVLQTL LCFLNDVVNLVEENQM
TPMNLAVCLAPSLFHLNLLKKESSPRVIQKKYATGKPDQKDLNENLAAAQGLAHMIMECDRLFEVPHLV
AQRNSYVEAEIHVPTLEELGTQLEESGATFHTYLNHL IQGLQKEAKEKFKGWVTCSTNDTDLAFKKVG
DGNPLKLWKASVEVEAPPVSVLNRVLRERHLWDEDFVQWKVVETLDRQTEIYQYVLSMAPHP SRDFVVL
RTWKTDLPKGMCTLVSLSVEHEEAQLLGGVRAVVMDSQYLI EPCGSGKSRLTHICRIDLKGHSPEWYSKG
FGHLCAAEVARIRNSFQPLIAEGPETKI
    
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TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<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_001243476.3</a>
<b>RefSeq Size:</b>	6236 bp
<b>RefSeq ORF:</b>	3237 bp
<b>Locus ID:</b>	90627
<b>UniProt ID:</b>	<a href="#">Q9Y3M8</a>
<b>Cytogenetics:</b>	13q13.1-q13.2
<b>Gene Summary:</b>	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]