

Product datasheet for **RG220640**

STARD13 (NM_178006) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD13 (NM_178006) 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:	>RG220640 representing NM_178006 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTTCAGTCAGGTGCCAGGACCCAGCCTCAGGCTGCTACTACCTAAATTCATGACACCTGAGGGCC
AGGAGATGACTTGCATTTGATCAGACTACAAGACGCTCCTTACAGGATGAGCCGATTCTAGCAGC
CCATCAGCTAGTACTAAAATTCACAAGAAATGAGGCAAAAGAAGCATGTGACTGGCTCCGTGCTGCC
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CTCAATGAAACTTGATGTGAACTTCAAAGGAAAAGGGTGACGACTCCGATGAGGAAGATCTTTGTATC
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ATCATTTTTGAAACGCATGAAAACACTCCGAGGGAAGGGAGCCCACGGGAGGCATAAGGGGTCTGGGCG
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CAAGTCGAGTGGCGAGAGCAGCCGTCGGAGCACAGCAGCAGCGGGTGAGCACGCCCTGCTGAAGGAA
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CAGCATGTCAATGGGCTCCAAGAGGTAGTCGATGACTGGTCCAAAGATGTCTTGCCTGAACTGCAAACCT
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 TTTGTGCAGTGAAGGTTGTGGAACCTTAGACAGGCAACAGAGATCTACCAGTATGTCTGAACAGCA
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 TACCCTGGTGTCCCTCTCCGTGGAGCATGAGGAAGCCAGCTCCTGGGTGGTGTGGCAGCAGTGGTGTG
 GACTCGCAGTACTTGATAGAACCGTGTGGCTCTGGCAAGTCAAGACTGACTCACATCTGCAGGATAGACC
 TGAAAGGTCACCTCCCAAGATGGTACAGCAAAGGCTTTGGACATCTGTGTGCAGCAGAAGTTGCCAGGAT
 TAGAAACTCTTTCCAGCCCTCATTGCTGAGGGCCAGAAACTAAAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220640 representing NM_178006
 Red=Cloning site Green=Tags(s)

MFSQVPRTPASGCYYLNSMTPGQEMYLRFDQTTRRSPYRMSRILARHQLVTKIQQEIEAKEACDWLRAA
 GFPQYAQLYEDSQFPINIVAVKNDHDFLEKDLVEPLCRRNLNLKCSMKLDVNFQRKKGDDSDDEDLCI
 SNKWTFQRTSRRWSRVDDLTYLLPRGDRNGSPGGTGMRNTTSSSEVLTDLSEPEVCSIHSESSGSDSRS
 QPGQCCTDNPVMLDAPLVSSSLPQPPRDVLNHPFHPKNEKPTRARAKSFLKRMETLRGKGAHGRHKGSGR
 TGGLVISGPMLQQEPESFKAMQCIQIPNGDLQNSPPPACRKGGLPCSGKSSGESSPSEHSSSVSTPCLKE
 RKCHEANKRGGMYLEDLDVLAGTALPDAGDQSRMHEFHSQENLVVHIPKDHKPGTFPKALSIESLSPTDS
 SNGVNWRTGSIISLGREQVPGAREPRLMASCHRASRVSIYDNVPGSHLYASTGDLLDLEKDDLFPHLDDIL
 QHVNGLQEVDVDDWSKDVLPQLTHDTLVGEPGLSTFPSPNQITLDFEGNSVSEGRTPSPDVERDVTSLNE
 SEPPGVDRDRRDSGVGASLTRPNRRLRWNSFQLSHQPRPAPASPHISSQTASQLSLLQRFSLRLTAIMEK
 HSMSNKHGWTWSVPKFMKRMKVPDYKDKAVFGVPLIVHVQRTGQPLPQSIQQALRYLRSNCLDQVGLFRK
 SGVKSRIHALRQMNENFPENVNVEDQSAVDVADMVKQFRDLPEPLFTNKLSETFLHIYQYVSKEQRLQA
 VQAAIILLADENREVLQTLCLFLNDVVNLVEENQMPMNLAVCLAPSLFHLNLLKKESSPRVIQKKYATG
 KPDQKDLNENLAAAQGLAHMIMECDRLFEVPHLVAQSRNSYVEAEIHVPTLEELGTQLEESGATFHTYL
 NHLIQGLQKEAKEKFKGWVTCSSDNTDLAFKKVGDGNPLKLWKASVEVEAPPVVLNRVLRERHLWDED
 FVQWKVYETLDRQTEIYQYVLSMAPHPSRDFVVLRTWKTDLPGMCTLVSLSVEHEEAQLLGGVRAVVM
 DSQYLIEPCGSGKSRLLTHICRIDLKGHSPEWYSKGFHLCAAEVARIRNSFQPLIAEGPETKI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_178006.2</u>
RefSeq Size:	5886 bp
RefSeq ORF:	3342 bp
Locus ID:	90627
UniProt ID:	<u>Q9Y3M8</u>
Cytogenetics:	13q13.1-q13.2
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]