

Product datasheet for SC125454

STARD13 (NM_178006) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: STARD13 (NM_178006) Human Untagged Clone
Tag: Tag Free
Symbol: STARD13
Synonyms: ARHGAP37; DLC2; GT650; LINC00464
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_178006 edited
 ATGTTTCAGTCAGGTGCCAGGACCCAGCCTCAGGCTGCTACTACCTAAATTCATGACA
 CCTGAGGGCCAGGAGATGTAAGTTCGATTGATCAGACTACAAGACGCTCTCCTTACAGG
 ATGAGCCGGATTCTAGCACGCCATCAGCTAGTACTAAAATTCACAAGAATTGAGGCA
 AAAGAAGCATGTGACTGGCTCCGTGCTGCCGGTTCCTCGCAATACGCTCAGTTATGAG
 GATTCACAATTTCCCATCAACATTGTGGCTGTCAAGAATGATCATGATTTTCTTAAAAAG
 GACCTTGTAGAACCTCTTGCAGACGACTAAATACGTTGAACAAGTGTGCCTCAATGAAA
 CTTGATGTGAACCTTCAAAGGAAAAAGGGTACGACTCCGATGAGGAAGATCTTTGTATC
 AGCAACAATGGACTTTCAAAGAACCAGTCGACAGGTGGTCTCGTGTGGACGACCTTAC
 ACGCTGCTCCCTCGAGGAGACAGAAATGGGTACCGGGAGGCACGGGGATGAGGAACACG
 ACCAGCAGTGAGAGCGTCTCACAGACCTGAGCGAGCCTGAGGTCTGCTCCATTCACAGC
 GAAAGCAGTGGAGGCAGCAGCTCGCAGCCAGCCGGCCAGTGTGTACAGACAACCCG
 GTCATGTGGATGCCCCACTCGTCAGCAGCAGCCTCCACAGCCCCCAGAGATGTCCCTC
 AACCCCTTCCACCCCAAGAATGAGAAGCCACGAGGGCTAGGGCCAAATCATTTTTG
 AAACGCATGGAACACTCCGAGGGAAGGGAGCCACGGGAGGCATAAGGGGTCTGGGCGG
 ACAGGTGGCCTGGTGATCAGTGGGCCATGTTGCAGCAGGAGCCAGAGTCTTTAAGGCT
 ATGCAGTGCATCCAAATACCAATGGAGATCTCCAGAATTCGCCGCCACCTGCCTGCAGA
 AAAGGGTCCCATGCTCTGGCAAGTCGAGTGGCGAGAGCAGCCCGTCCGAGCACAGCAGC
 AGCGGGTGAGCACGCCCTGCCTGAAGGAACGCAAGTGCCACAGGCCAAACAAGCGGGG
 GGCATGTACTTGGAGACCTAGATGTGCTGGCGGGACAGCACTGCCGGATGCAGGGGAC
 CAAAGCCGTATGCATGAGTTTCACTCCCAAGAGAATTTGGTGGTGCATATTTCCAAAGGAT
 CACAAACCAGGAACATTTCCCAAGGCACTTTCTATTGAAAGCCTCTCTCCACAGATAGT
 AGCAATGGGGTTAATTGGAGGACCGGTAGCATCTCCCTGGGCAGAGAGCAGGTCCCTGGT
 GCCAGGGAGCCCCGGCTCATGGCGTCTGCCACAGAGCCAGCCGAGTCAATCTATGAC
 AATGTCCTGGCTCCCATCTGTATGCCAGCACAGGAGATCTTTTGGACTTGGAGAAAGAT
 GACCTTTTCCCTCACTTGGATGACATTCTGCAGCATGTCAATGGGCTCCAAGAGGTAGTC
 GATGACTGGTCCAAGATGTCTTGCCTGAACTGCAAACTCATGATACATTGGTTGGGGAA



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CCTGGCTTATCCACCTTTCCATCTCCTAATCAGATCACCTTAGATTTTGAAGGTAACCTCT
 GTCTCAGAAGGTCGGACGACACCCAGTGATGTGGAAAGAGATGTAACATCTCTTAATGAA
 TCTGAGCCTCCTGGGGTCAGAGACAGGAGGGATTCTGGTGTAGGGGCTCTCTGACCAGG
 CCAAACAGGGGACTCCGATGGAACAGTTTCCAGCTGTCCGACCAGCCCCGGCCGGCCCCA
 GCATCGCCCCACATCAGCAGCCAGACGGCCAGCCAGCTGAGCCTGCTCCAGCGCTTCTCA
 CTGCTCCGCTCACGGCCATCATGGAGAAGCACTCCATGTCCAACAAGCAGCGCTGGACA
 TGGTCAGTTCCAAGTTTCATGAAGAGGATGAAAGTTCCCGACTACAAGACAAGGCTGTC
 TTTGGCGTTCTCTCATAGTCCAGTCCAAAGAACGGGACAGCCCTGCCTCAAAGTATT
 CAGCAAGCACTGAGATATCTACGCAGCAACTGCCTCGATCAGGTGGGTCTTTTTCGCAA
 TCAGGAGTGAAGTCTCGAATCCATGCCCTTCGCCAAATGAATGAAAACCTCCCTGAGAAC
 GTCAACTATGAAGACCAGTCTGCTTATGATGTGGCGGATATGGTGAACAGTTCTTCCGG
 GACCTCCCTGAGCCTCTTTTACCAACAAGCTCAGTGAGACCTTCTCCATATCTATCAG
 TATGTCTCCAAGAGCAGCGGCTGCAGGCCGTGCAGGCTGCCATCCTGCTACTGGCCGAT
 GAGAACAGGGAGGTCCTGCAGACGCTCTTGTGTTTCTGAACGACGTCGCAACTGGTG
 GAAGAGAATCAGATGACGCCATGAACCTGGCAGTGTGTCTGGCCCCCTCCTCTTTTCAT
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 ATCATGGAATGCGACAGACTTTTTGAGGTTCCACACGAGTTGGTGGCCAGTCTCGTAAC
 TCGTATGTGGAGGCTGAGATCCACGTGCCAACCCCTGGAAGAAATGGGGACACAGCTGGAG
 GAGAGTGGGGCAACTTTCCACACTTACCTGAACCATCTCATCCAGGGCTCCAGAAAGAA
 GCCAAGGAGAAGTTCAAAGGATGGGTACGTGCTCCAGCACGGACAATACAGATCTTGCT
 TTCAAAAAGGTGGGCGACGGGAACCCGCTGAAGCTGTGGAAGGCTTCTGTGGAGGTGGAA
 GCACCCCTCAGTGGTCTGAACCGCTGCTGAGAGAGCGCCACCTGTGGGACGAGGAG
 TTTGTGCAGTGGAAAGTTGTGGAACCTCTAGACAGGCAAACAGAGATCTACCAGTATGTG
 CTGAACAGCATGGCTCCCATCCTTCCAGAGACTTTGTGGTTCTCAGGACCTGGAACAACT
 GATTTGCCAAAGGAATGTGTACCCTGGTGTCCCTCTCCGTGGAGCATGAGGAAGCCAG
 CTCCTGGGTGGTGTGCGAGCAGTGGTATGGACTCGCAGTACTTGATAGAACCCTGTGGC
 TCTGGCAAGTCAAGACTGACTCACATCTGCAGGATAGACCTGAAAGGTCACTCCCAGAA
 TGGTACAGCAAAGGCTTTGGACATCTGTGTGCAGCAGAAGTTGCCAGGATTAGAACTCT
 TTCCAGCCCTCATTGCTGAGGGCCAGAACTAAAATCTGA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_178006 unedited
 CATTTGTATACGACTCACTATAGCGCGGACGAATTCGCACGATCTGGGCTGGGTGCCT
 TGCTCTTTGACTGAGACTGGAGACAGACGGCAACAGCCACAGGCAGACTGAGGTGGCAAT
 AGGAAATCTGCCGAGATGTTTCAGTCAGGTGCCAGGACCCAGCCTCAGGCTGCTACTAC
 CTAATTCATGACACCTGAGGGCCAGGAGATGTACTTGCATTTGATCAGACTACAAGA
 CGCTCTCCTTACAGGATGAGCCGATTCTAGCACGCCATCAGCTAGTGACTAAAAATCAA
 CAAGAAATGAGGCAAAGAAGCATGTGACTGGTCCGTGCTGCCGGTTCCTCCGCAATAC
 GCTCAGTTATATGAGGATTCACAATTTCCCATCAACATTGTGGCTGTCAAGAATGATCAT
 GATTTTCTTGAAGGACCTTGTAGAACCTTTTGCAGACGACTAAATACGTTGAACAAG
 TGTGCCTCAATGAACTTGTGTAACCTTCAAAGGAAAAAGGGTACGACTCCGATGAT
 GAAGATCTTTGTATCAGCAACAATGGACTTTCAAAGAACCAGTCGCAGGTGGTCTCGT
 GTGGACGACCTTACACGCTGCTCCCTCGAGGAGACAGAAATGGGTACCCGGATGCAC
 GGCGATGATGAACACGACCAGCAGTGAGAGCGTCTCACAGACCTGAGCGAGCCCTGAGT
 CTGCTCCATTACAGCGAAAGCAGTGGAAGCAGCGACAGTCGCAGCCAGCCGGCCAGTG
 CTGTACAGACACCCAGTCATGCTGGATGCCACTCGTCAGCAGCAGCTTCCAAGGCCCA
 GAGATGTCCTCACCACCTTCCACCCAGATGAGACCCACAGGCTAGGCACATCATTTTG
 AAACCATGAACCTCAGGGATGAACCCACGAAAGCTAAGGGTCTGGCGACAGAGCCCGT
 GAAATAGTCCCTGTGAACAGAACCAATCCTTAGGTTGCAGGCTCAACAN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_178006 unedited CCTCGGCGTTTCTTTTCAGTTAGGTATACGCCTTCTTANAAGCCTTTAAATAGCAAATTA GGCAATGCACAAGGAATAGTCCATTTAATTTTAAGTAATATATAAAAGTTCTCATTTTA AAATTATATTAGTAGGGATGTAGCCATCTCCAGGAAGGCTAAGAAAGTTCTTGAAATTC TTGCATCTCCAACATTCCAACCTCTTAACGTTTCCATTTTAGGCATTAACCGCGTCCTT CAGTTCCTCTTTCTCTCGCTTTCTCACATGCACACTCTCTGCCACACTCGTCACCTTAGC TTCCTCTCCCTGAGTTTGATGTCACACTGGGCAAACTCAGATTTTAGTTTCTGGGCC TCAGCAATGAGGGGCTGGAAAGAGTTTCTAATCCTGGCAACTTCTGCTGCACACAGATGT CCAAAGCCTTTGCTGTACCATTCTGGGGAGTGACCTTTCAGGTCTATCCTGCAGATGTGA GTCAGTCTTGACTTGCCAGAGCCACACGGTTCTATCAAGTACTGCGAGTCCATCACCCT GCTCGCACACCACCCAGGAGCTGGGCTTCTCATGCTCCACGGAGAGGGACACCAGGGTA CACATTCTTTGGGCAAATCAGTTTTCCAGTCTGAGAACCACAAAGTCTCTGGAAGGA TGGGGAGCCATGCTGTTACGACATACTGGTAGATCTCTGTTTGCCTGTCTAGAGTTTCC ACAACCTTCCACTGCACAAAGTCTCGTCCACAGGTGGCGCTCTCTCAGCACGGGTTCC AGGACCACTGAGGGGGTCTTCCACCTCCAGAAGCCTTCCACAGCTCAGCGGGTCCCG TCGCCCCCTTTTGAAGCAGATCTGTATTGTCGGTGCTGGAGCACGTGACCCATCCTTT GAACTTCTTCTGCGCTTCTCTGAAGCCTGGATGAGATGGTTAGGT
Restriction Sites:	NotI-NotI
ACCN:	NM_178006
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:	<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_178006.1</u> , <u>NP_821074.1</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]

Transcript Variant: This variant (1) encodes the longest isoform (1, also known as DLC2alpha).