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Product datasheet for SC307121

STARD13 (NM_178007) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: STARD13 (NM_178007) Human Untagged Clone

Tag: Tag Free

Symbol: STARD13

Synonyms: ARHGAP37; DLC2; GT650; LINC00464

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_178007, the custom clone sequence may differ by one or more nucleotides

ATGCTGGAACCCTCCTCAGTTCTCCATGCAAACGTTAACCAGGCCCCTTTGTGGTGCTTG
GTGCTGCGCTGGTGCAGAGAATGCAAAGACACTGTCTGTGGTGGGAAACAGAAAAGCAGA
GTGAACCACACATTCCAGCGCCGGGAAATTGAGGCAAAAGAAGCATGTGACTGGCTCCGT
GCTGCCGGGTTCCCGCAATACGCTCAGTTATATGAGGATTCACAATTTCCCATCAACATT
GTGGCTGTCAAGAATGATCATGATTTTCTTGAAAAGGACCTTGTAGAACCTCTTTGCAGA
CGACTAAATACGTTGAACAAGTGTGCCTCAATGAAACTTGATGTGAACTTCCAAAGGAAA
AAGGGTGACGACTCCGATGAGGAAGATCTTTGTATCAGCAACAAATGGACTTTCCAAAGA
ACCAGTCGCAGGTGGTCTCGTGTGGACGACCTCTACACGCTGCTCCCTCGAGGAGACAGA
AATGGGTCACCGGGAGGCACGGGGATGAGGAACACGACCAGCAGTGAGAGCGTCCTCACA
GACCTGAGCGAGCCTGAGGTCTGCTCCATTCACAGCGAAAGCAGTGGAGGCAGCGACAGT
CGCAGCCAGCCGGGCCAGTGCTGTACAGACAACCCGGTCATGCTGGATGCCCCACTCGTC
AGCAGCAGCCTCCCACAGCCCCCCAGAGATGTCCTCAACCACCCCTTCCACCCCAAGAAT
GAGAAGCCCACGAGGGCTAGGGCCAAATCATTTTTGAAACGCATGGAAACACTCCGAGGG
AAGGGAGCCCACGGGAGGCATAAGGGGTCTGGGCGGACAGGTGGCCTGGTGATCAGTGGG
CCCATGTTGCAGCAGGAGCCAGAGTCCTTTAAGGCTATGCAGTGCATCCAAATACCAAAT
GGAGATCTCCAGAATTCGCCGCCACCTGCCTGCAGAAAAGGGCTCCCATGCTCTGGCAAG
TCGAGTGGCGAGAGCAGCCCGTCGGAGCACAGCAGCAGCGGGGTGAGCACGCCCTGCCTG
AAGGAACGCAAGTGCCACGAGGCCAACAAGCGCGGGGGCATGTACTTGGAGGACCTAGAT
GTGCTGGCGGGGACAGCACTGCCGGATGCAGGGGACCAAAGCCGTATGCATGAATTTCAC
TCCCAAGAGAATTTGGTGGTGCATATTCCCAAGGATCACAAACCAGGAACATTCCCCAAG
GCACTTTCTATTGAAAGCCTCTCTCCCACAGATAGTAGCAATGGGGTTAATTGGAGGACC
GGTAGCATCTCCCTGGGCAGAGAGCAGGTCCCTGGTGCCAGGGAGCCCCGGCTCATGGCG
TCCTGCCACAGAGCCAGCCGAGTCAGTATCTATGACAATGTCCCTGGCTCCCATCTGTAT
GCCAGCACAGGAGATCTTTTGGACTTGGAGAAAGATGACCTTTTCCCTCACTTGGATGAC
ATTCTGCAGCATGTCAATGGGCTCCAAGAGGTAGTCGATGACTGGTCCAAAGATGTCTTG
CCTGAACTGCAAACTCATGATACATTGGTTGGGGAACCTGGCTTATCCACCTTTCCATCT
CCTAATCAGATCACCTTAGATTTTGAAGGTAACTCTGTCTCAGAAGGTCGGACGACACCC
AGTGATGTGGAAAGAGATGTAACATCTCTTAATGAATCTGAGCCTCCTGGGGTCAGAGAC
AGGAGGGATTCTGGTGTAGGGGCCTCTCTGACCAGGCCAAACAGGCGACTCCGATGGAAC

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AGTTTCCAGCTGTCGCACCAGCCCCGGCCGGCCCCAGCATCGCCCCACATCAGCAGCCAG
ACGGCCAGCCAGCTGAGCCTGCTCCAGCGCTTCTCACTGCTCCGCCTCACGGCCATCATG
GAGAAGCACTCCATGTCCAACAAGCACGGCTGGACATGGTCAGTTCCAAAGTTCATGAAG
AGGATGAAAGTTCCCGACTACAAAGACAAGGCTGTCTTTGGCGTTCCTCTCATAGTCCAC
GTCCAAAGAACGGGACAGCCCCTGCCTCAAAGTATTCAGCAAGCACTGAGATATCTACGC
AGCAACTGCCTCGATCAGGTGGGTCTTTTTCGCAAATCAGGAGTGAAGTCTCGAATCCAT
GCCCTTCGCCAAATGAATGAAAACTTCCCTGAGAACGTCAACTATGAAGACCAGTCTGCT
TATGATGTGGCGGATATGGTGAAACAGTTCTTCCGGGACCTCCCTGAGCCTCTTTTCACC
AACAAGCTCAGTGAGACCTTTCTCCATATCTATCAGTATGTCTCCAAAGAGCAGCGGCTG
CAGGCCGTGCAGGCTGCCATCCTGCTACTGGCCGATGAGAACAGGGAGGTCCTGCAGACG
CTCTTGTGTTTCCTGAACGACGTCGTCAACTTGGTGGAAGAGAATCAGATGACGCCCATG
AACCTGGCAGTGTGTCTGGCCCCCTCCCTCTTTCATCTTAATTTATTGAAGAAAGAAAGC
TCTCCACGAGTCATACAGAAGAAATATGCCACTGGGAAGCCAGATCAAAAGGACCTCAAC
GAGAATCTGGCAGCAGCTCAGGGGCTAGCGCACATGATCATGGAATGCGACAGACTTTTT
GAGGTTCCACACGAGTTGGTGGCCCAGTCTCGTAACTCGTATGTGGAGGCTGAGATCCAC
GTGCCAACCCTGGAAGAATTGGGGACACAGCTGGAGGAGAGTGGGGCAACTTTCCACACT
TACCTGAACCATCTCATCCAGGGCCTCCAGAAAGAAGCCAAGGAGAAGTTCAAAGGATGG
GTCACGTGCTCCAGCACGGACAATACAGATCTTGCTTTCAAAAAGGTGGGCGACGGGAAC
CCGCTGAAGCTGTGGAAGGCTTCTGTGGAGGTGGAAGCACCCCCCTCAGTGGTCCTGAAC
CGCGTGCTGAGAGAGCGCCACCTGTGGGACGAGGACTTTGTGCAGTGGAAGGTTGTGGAA
ACTCTAGACAGGCAAACAGAGATCTACCAGTATGTGCTGAACAGCATGGCTCCCCATCCT
TCCAGAGACTTTGTGGTTCTCAGGACCTGGAAAACTGATTTGCCCAAAGGAATGTGTACC
CTGGTGTCCCTCTCCGTGGAGCATGAGGAAGCCCAGCTCCTGGGTGGTGTGCGAGCAGTG
GTGATGGACTCGCAGTACTTGATAGAACCGTGTGGCTCTGGCAAGTCAAGACTGACTCAC
ATCTGCAGGATAGACCTGAAAGGTCACTCCCCAGAATGGTACAGCAAAGGCTTTGGACAT
CTGTGTGCAGCAGAAGTTGCCAGGATTAGAAACTCTTTCCAGCCCCTCATTGCTGAGGGC
CCAGAAACTAAAATCTGA

Restriction Sites: Please inquire

ACCN: NM_178007

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_178007.1, NP_821075.1
RefSeq Size:	5810 bp
RefSeq ORF:	3318 bp
Locus ID:	90627
UniProt ID:	Q9Y3M8
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 (2) contains an alternate 5' terminal exon compared to variant 1. This results in a shorter isoform (2, also known as DLC2beta) with a distinct N-terminus compared to isoform 1.