

Product datasheet for SC114878

STARD8 (NM_014725) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD8 (NM_014725) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD8
Synonyms:	ARHGAP38; DLC3; STARTGAP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114878 sequence for NM_014725 edited (data generated by NextGen Sequencing)

ATGACCTTGAATAATTGTGCCTCGATGAACTGGAGGTTCAATTTCAAAGCAAGCAGAAT
GAAGACTCAGAAGAGGAAGAGCAGTGTACCATCAGTAGCCACTGGGCCTTCCAGCAGGAA
AGTAAGTGCTGGTCTCCTATGGGGTCTCTGATCTGTTGGCCCCACCGAGCCCTGGCCTG
CCAGCGACCTCAAGCTGTGAGAGCGTCTCACCAGCTTAGTGCCACCTCTCTGCCAGTC
ATCACCGTGAGCCTACCAACCGAGCCAGCAGACTTGCCCTTGCCAGGCCGTGCCCCAGC
TCGAGTGACCGGGCCCTCCTCAGCCCCACCGAGGGCCAGGAGGTCCCCAGGACAAAGCC
AAGAAGCGCCATCGTAACCGTAGCTTCTCAAGCACCTTGAATCTCTGAGGCGGAAGGAA
AAGAGTGGCAGCCAGCAAGCAGAGCCCAAGCATAGTCCAGCCACCTCAGAGAAGGTCTCC
AAAGCCTCATCTTCCGAGTTGTCGTGGCTTCTCTCAGCTGGATTTTACAGGGCCAAG
AACTGGGCCGCCACCTCAGCCGGTGGCAGTGGTGCCAATACTCGGAAGGCCTGGGAGGCC
TGGCCTGTGGCCTCGTTCCGGCATCCTCAGTGGACACACCGGGGTGATTGCCTGGTGAC
GTTCTGGGGACCACAAACCAGGCACATTCCCTCGCTCCCTGTCCATTGAGAGCCTGTGT
CCTGAGGATGGACACCGCCTGGCAGACTGGCAGCCAGGTAGGCGGTGGGGCTGTGAGGGG
CGCCGGGGCTCCTGTGGCTCAACGGGCAGCCATGCCAGCACGTATGACAACTTGCTGAG
CTGTACCCAGCTGAGCCTGTAATGGTTGGGGCTGAGGCTGAAGATGAAGATGATGAGGAG
AGTGGGGGCAGCTATGCTCACCTAGACGACATCCTCCAGCACGTGTGGGGGCTACAGCAA
CGAGTAGAGCTGTGGTCTCGGGCCATGTACCCAGACCTGGGGCCTGGAGATGAGGAAGAG
GAGGAGGCCACTTCATCAGTAGAAATAGCCACAGTTGAGGTCAAATGCCAAGCTGAGGCT
CTCAGCCAGATGGAGTTCCGGCCCATGGAGAGTCCCCAGCCTGGGCCAGGCTGAAGTC
CAGCCAGCAGTCTGGCTCCGGCTCAGGCTCCAGCTGAGGCTGAACCAAGTGGCACAGGAA
GAGGCTGAGGCCCCGGCCCCAGCCCCGGCCCCAGCCCCAGGACAGTGAGCAGGAG
GCACATTGAGCGGGGAACCCACCTTTGCCTCTAGCCTGTCTGTGAAGAAGGACACTCC
ATTTCTGACACTGTGGCCTCCTCCAGCGAACTTGACAGTAGTGGGAAGTCCATGAATGAG
GCTGAGGCTGCGGGGCCCTGGCTGGACTCCAGGCATCAATGCCCGTGAACGGCGCGAT
TCAGGTGTTGGGGCCTCACTTACCAGACCCTGCAGGAAGCTCCGTTGGCATAGCTTCCAG



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AACTCCCATCGTCCCAGCCTCAACTCAGAGTCGCTGGAGATCAACCGGCAGTTTGACGGC
CAGATCAACCTCCTGCACAAGGGCTCACTGCTGCGGCTTACCGCGTTTCATGGAGAAGTAC
ACTGTGCCCCACAAGCAGGGCTGGGTCTGGTCAATGCCCAAGTTCATGAGGAGGAACAAG
ACCCCAGATTACCGGGGACAGCAGTATTTGGGGTGCCACCCCTCATCCACGTGCAGCGC
ACGGGCCAGCCACTGCCACAGAGCATTAGCAAGCCATGCGCTACTTGCGCAGCCAGTGC
CTGGACCAAGTAGGCATCTTCCGCAAGTCTGGGGTCAAGTCCAGGATCCAGAACCTGCGT
CAATGAATGAGACCTCGCCTGACAATGTCTGCTACGAGGGCCAGTCAGCCTACGACGTG
GCTGACCTGCTAAAGCAGTATTTCCGGGACCTGCCTGAGCCCATTTACACAGCAAGCTC
ACCACCACTTTCTCCAGATCTACCAGCTCCTCCCCAAGGATCAGTGGTTGGCAGCAGCA
CAAGCCGCCACCTTGCTGCTCCCCGATGAGAACCGAGAGGTGCTACAGACCCTGCTCTAC
TTCTTAAGTGACATTGCCTCTGCCGAGGAAAACCAGATGACAGCAGGCAACCTGGCAGTG
TGCCTGGCGCCCTCCATCTTCCACCTCAATGTCTCTAAGAAGGATAGCCCTCTCCCAGG
ATCAAGAGCAAACGCAGCCTCATTGGCAGGCCAGGCCCTAGGGACCTGAGTGACAACATG
GCAGCCACCCAGGGCCTGTGCGACATGATCAGTGACTGCAAGAACTTTTCCAGGTGCC
CAGGACATGGTGCTGCAGCTGTGCAGCTCTACAGCGCAGCTGAGCTCAGCCCTCCCGGC
CCAGCCCTGGCTGAGCTGCGTCAGGCCCAAGCTGCAGGGGTAAGCCTGAGCCTCTACATG
GAAGAGAATATCCAGGACCTGCTGCGTGATGCTGCTGAGCGCTTCAAGGGCTGGATGAGC
GTGCCAGGGCCCCAGCACACGGAGCTGGCTTGCAAGGAAGGCACCGGATGGGCACCCCTG
CGGCTATGGAAGGCATCCACAGAGGTGGCAGCCCCCAGCTGTGGTGCTGCATCGTGTT
CTCCGGGAGCGGGCCCTCTGGGATGAGGATCTGCTGCGGGCCAGGTGCTGGAAGCCCTG
ATGCCGGGTGTGGAGCTGTACCACTATGTCACCGACAGCATGGCACCCCATCCCTGCCGC
GACTTTGTGGTGCTTCGGATGTGGCGCTCTGACCTGCCTCGTGGGGTTGCTGCTTGTC
TCCCAGTCCCTGGATCCGGAACAACCTGTGCCAGAGTCGGGTGTGCGAGCCCTCATGCTC
ACATCCCAGTACCTCATGGAGCCTTGGCGCTTGGGCGCTCTCGGCTCACACACATCTGC
CGGGCTGACCTCAGGGGCCGTTCTCCTGACTGGTACAACAAAGTCTTTGGACACCTGTGT
GCCATGGAAGTGGAAGATCCGGGACTCCTTCCCCACCCTGCAGGCAGCGGGCCCTGAG
ACAAAGCTGTGA

Clone variation with respect to NM_014725.4

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for NM_014725 unedited
TATCCCCGCCCCTTGCCGCAAAGGGCGGTAGGCGTGACGGTGGGAGGTCTATATAAGCA
GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGCGGCCGGA
ATTCGGCACGAGGCAACGGCTAAGCAGCCGCGGCAGCTGCTTCTGGCTGGCACCGTCA
CCCCTGCCCGACCCAGGCCCGCGTGTGTCCGGACGGAGCAGTCCCTCCTGGGCTCGC
CTCCTGCCCGCTCGCTCTGTGTCAGCGCCCGAACCCAAAGGGGTGGACGCGGCCTCCAGC
CGAGGCCAAAAGAGCATGTGAGTGGCTTCAAGCAACAGGATCCCTCAGTATGTGCAGCT
TTTTGAAGAAGTTTCGTTTCCCCTGGATATTGGCTCTGTGAAGAAAAACACGGTTTTCT
GGACGAGGACTCTTTGGGGGCCCTGTGTAGGAGGCTGATGACCTTGAATAATTGTGCCTC
GATGAAACTGGAGGTTTCATTTTCAAAGCAAGCAGAATGAAGACTCAGAAGAGGAAGAGCA
GTGTACCATCAGTAGCCACTGGGCTTCCAGCAGGAAAGTAAGTGCTGGTCTCCTATGGG
GTCCTCTGATCTGTTGGCCCCACCGAGCCCTGGCTGCCAGCGACCTCAAGCTGTGAGAG
CGTCTCACCGAGCTTAGTGCCACCTCTCTGCCAGTCATACCGTGAGCCTACCACCCGA
GCCAGCAGACTTGCCCTTGCCAGGCCGTGCCCCAGCTCGAGTGACCGGGCCCTCCTCAG
CCCCACCCAGGCCAGGGAGGGTCCCCAGGACAAGCCAAGAGCGCCATCGTAACCGTAGCT
TCCTCAAGCACCTTGATCTCTGAGGCGGAAGGAAAAGAGTGGCAGCCAGCAAGCAGAGCC
CAGCATAGTCAGCCACCTCAGAGAAGTCTCCAAGCCTN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014725 unedited <pre> NNGGGGTTTACTATGNACCGCGCCGCTATCTANATCGAGTTTTTTTTTTTTTTTTTGGCA TCTCTGGTAATGCTTTATTGATTTGAGGGATCCTGCTGCACCTGGCTCCCTACCTCTCCA TTCTCATCTGAAGTGCCCTCAGGCCTTCCAGACACTTGCCCCCACCAGAGATTATAATA CACTCATGAGAATTGATATATGTGTGTCTGTGCAAAATGCGTGTGTGTATATATATGTA TGTGTATATATACACACATATATATGTGTGTATCTCTATAAACACATATACACACA CACACACACACATATATATATATATATATATTAGCTGTACAGTATTTACAGGTA CAAATAAAATAGGCTTGAAAATTACAGTGGTGGTGGGACCCATCTCATTTCAGTTTACT CAGCAGATAGAAAAATAAGCACCAGTGGCCTTTGAATGGCATTGAATTTCCATGTGAG CAAAGATGGCTGGCCAGTGGGACAGAACAAGTTTGGCTTAAGCTCCAGCTGGCTAAGAAA GGCCCTTCCATCTGGCTGGCCAGGGGCCAGGTCTCTGCTTGAGAAAGGGGCTGTATGT TAACCCCTACCCTAAGCCAAAGGGGAGATGACATAGACCCTTGGCTCTTAACCCCACTC TGCTTTTGCCTGGCCTGGGCGATGTAAGTGCGCGGCCAAAGCTACACAGGAACCCCTG TGGGGGGGCCATAAAAGGGGAAACCAATCAGGGGAATATGGGTTTTTCATGGCGTTTTT CGGACTTGTGAAAAAAGGGACTCCACTTTTCAATCCCCATATTTGCCAAAAAGGCAT GGCACATATTAGGGGCCCGCGTGGGCCCACTTTTAATTACCTTT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014725
Insert Size:	4700 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:	<u>NM_014725.2</u> , <u>NP_055540.2</u>
RefSeq Size:	4911 bp
RefSeq ORF:	3072 bp
Locus ID:	9754
UniProt ID:	<u>Q92502</u>
Cytogenetics:	Xq13.1
Domains:	RhoGAP, START

Gene Summary:

This gene encodes a member of a subfamily of Rho GTPase activating proteins that contain a steroidogenic acute regulatory protein related lipid transfer domain. The encoded protein localizes to focal adhesions and may be involved in regulating cell morphology. This protein may also function as a tumor suppressor. [provided by RefSeq, Mar 2010]

Transcript Variant: This variant (2) lacks an exon resulting in use of a downstream start codon, compared to variant 1. It encodes isoform b, which has a shorter N-terminus than isoform a. Variants 2 and 3 both encode isoform b.