

## Product datasheet for RC227833

### STARD8 (NM\_001142503) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	STARD8 (NM_001142503) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STARD8
Synonyms:	ARHGAP38; DLC3; STARTGAP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC227833 representing NM_001142503 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCTGCTGGACGTTTTCTGGTCTTGCTTCAGGAAGGTGAAGTGCTTCCATTGCTGCAGGTGAAGA  
AGAACGCTGAAGCCGAGGCCAAAAGAGCATGTGAGTGGCTTCAAGCAACAGGATCCCTCAGTATGTGCA  
GCTTTTTGAAGAAGGTTTCCTTCCCTGGATATTGGCTCTGTGAAGAAAAACCACGGTTTTCTGGACGAG  
GACTCTTTGGGGCCCTGTGTAGGAGGCTGATGACCTTGAATAATTGTGCCTCGATGAACTGGAGTTC  
ATTTTCAAAGCAAGCAGAATGAAGACTCAGAAGAGGAAGAGCAGTGTACCATCAGTAGCCACTGGGCCTT  
CCAGCAGGAAAGTAAGTCTGGTCTCCTATGGGGTCTCTGATCTGTTGGCCCCACCGAGCCTGGCCTG  
CCAGCGACCTCAAGCTGTGAGAGCGTCCCTACCGAGCTTGTGCCACCTCTCTGCCAGTCATCACCGTGA  
GCCTACCACCCGAGCCAGCAGACTTGCCCTTGCCAGGCGGTGCCCCAGCTCGAGTGACCGGCCCTCCT  
CAGCCCCACCCAGGGCCAGGAGGGTCCCCAGGACAAAGCCAAGAAGCGCCATCGTAACCGTAGCTTCCTC  
AAGCACCTTGAATCTCTGAGGCGGAAGGAAAAGAGTGGCAGCCAGCAAGCAGAGCCCAAGCATAGTCCAG  
CCACCTCAGAGAAGGTCTCCAAAGCCTCATCTTCCGAGTTGTCGTGGCTTCTCTCAGCTGGATTTTA  
CAGGGCCAAGAAGTGGGCCGCCACCTCAGCCGGTGGCAGTGGTCCAATACTCGGAAGGCCCTGGGAGGCC  
TGGCCTGTGGCCTCGTTCCGGCATCCTCAGTGGACACACCGGGGTGATTGCTTGGTGCACGTTCCCTGGGG  
ACCACAAACCAGGCACATTCCCTCGCTCCCTGTCCATTGAGAGCCTGTGTCTGAGGATGGACACCGCCT  
GGCAGACTGGCAGCCAGGTAGGCGGTGGGGCTGTGAGGGGCGCCGGGGCTCCTGTGGCTCAACGGGCAGC  
CATGCCAGCAGTATGACAACCTTGCTGAGCTGTACCCAGCTGAGCCTGTAATGGTTGGGGCTGAGGCTG  
AAGATGAAGATGATGAGGAGAGTGGGGCAGCTATGCTCACCTAGACGACATCCTCCAGCAGTGTGGGG  
GCTACAGCAACGAGTAGAGCTGTGGTCTCGGGCCATGTACCCAGACCTGGGGCCTGGAGATGAGGAAGAG  
GAGGAGGCCACTTCATCAGTAGAAATAGCCACAGTTGAGGTCAAATGCCAAGCTGAGGCTCTCAGCCAGA  
TGGAGGTTCCGGCCCATGGAGAGTCCCCAGCCTGGGCCAGGCTGAAGTCCAGCCAGCAGTCTTGCTCC  
GGCTCAGGCTCCAGCTGAGGCTGAACCAGTGGCACAGGAAGAGGCTGAGGCCCGGCCCCAGCCCCGGCC



CCGGCCCCAGCCAGGACAGTGAGCAGGAGGCACATTCAGGCGGGGAACCCACCTTTGCCTCTAGCCTGT  
 CTGTGGAAGAAGGACTCCATTTCTGACACTGTGGCCTCCTCCAGCAACTTGACAGTAGTGGAACTC  
 CATGAATGAGGCTGAGGCTGCGGGGCCCTGGCTGGACTCCAGGCATCAATGCCCGTGAACGGCGCGAT  
 TCAGGTGTTGGGGCTCACTTACCAGACCTGCAGGAAGTCCGTTGGCATAGCTTCCAGAACTCCCATC  
 GTCCAGCCTCAACTCAGAGTCGCTGGAGATCAACCGCAGTTTGACAGCCAGATCAACCTCCTGCACAA  
 GGGCTCACTGCTGCGGCTTACCGGTTTTCATGGAGAAGTACTGTGCCCCACAAGCAGGTTGGTCTGG  
 TCAATGCCCAAGTTCATGAGGAGGAACAAGACCCAGATTACCGGGGACAGCAGCTATTTGGGGTGGCCAC  
 CCCTCATCCACGTGCAGGCACGGGCCAGCCACTGCCACAGAGCATTAGCAAGCCATGCGCTACTTGCG  
 CAGCCAGTGCCTGGACCAAGTAGGCATCTTCCGCAAGTCTGGGGTCAAGTCCAGGATCCAGAACCTGCGT  
 CAAATGAATGAGACCTCGCTGACAATGTCTGCTACGAGGGCCAGTCAGCCTACGACGTGGCTGACCTGC  
 TAAAGCAGTATTTCCGGGACCTGCCTGAGCCATCTTACCAGCAAGCTCACCACCCTTCTCCAGAT  
 CTACCAGTCTCTCCCAAGGATCAGTGGTTGGCAGCAGCACAGCCGCCACTTGTCTCCCGATGAG  
 AACCGAGAGGTGTACAGACCCTGCTCTACTTCTTAAGTGACATTGCCTCTGCCGAGGAAAACCAGATGA  
 CAGCAGGCAACCTGGCAGTGTGCTGGCCCTCCATCTTCCACCTCAATGTCTTAAGAAGGATAGCCC  
 CTCTCCAGGATCAAGAGCAAACGCAGCCTCATTGGCAGGCCAGGCCCTAGGGACCTGAGTGACAACATG  
 GCAGCCACCCAGGGCCTGTGCGACATGATCAGTACTGCAAGAACTTTTCCAGGTGCCCCAGGACATGG  
 TGCTGCAGCTGTGCAGCTCCTACAGCGCAGCTGAGCTCAGCCCTCCCGGCCAGCCCTGGCTGAGCTGCG  
 TCAGGCCCAAGCTGCAGGGGTAAGCCTGAGCCTACATGGAAGAGAATATCCAGGACCTGCTGCGTGAT  
 GCTGCTGAGCGCTTCAAGGGCTGGATGAGCGTGCCAGGGCCCCAGCACACGGAGCTGGCTTGACAGGAAAG  
 CACCGGATGGGACCCCTGCGGCTATGGAAGGCATCCACAGAGGTGGCAGCCCCCAGCTGTGGTGTCT  
 GCATCGTGTCTCCGGGAGCGGGCCCTGCGGATGAGGATCTGCTGCGGGCCAGGTGCTGGAAGCCCTG  
 ATGCCGGGTGTGGAGCTGTACCACTATGTACCCAGCAGCATGGCACCCCATCCCTGCCCGACTTTGTGG  
 TGCTTCGGATGTGGCGCTCTGACCTCGTGGGGTTGCTGCTGTCTCCAGTCCCTGGATCCGGA  
 ACAACCTGTGCCAGAGTCGGGTGTGCGAGCCCTCATGCTACATCCAGTACCTCATGGAGCCTTGGCGG  
 TTGGGCCGCTCTCGGCTCACACACATCTGCCGGGCTGACCTCAGGGGCCGTTCTCCTGACTGGTACAACA  
 AAGTCTTTGGACACCTGTGTGCCATGGAAGTGGCAAAGATCCGGGACTCCTTCCCCACCCTGCAGGCAGC  
 GGGCCCTGAGACAAAGCTG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC227833 representing NM\_001142503  
 Red=Cloning site Green=Tags(s)

MPLLDVFWSCFRKVKCFPLLQVKKNAEAEAKRACEWLQATGFPQYVQLFEEGSFPLDIGSVKKNHGFLDE  
 DSLGALCRRLMTLNNCASMKLEVFQSKQNEDESEEEQCTISSHWAFQQESKWCSPMGSSDLLAPPSGL  
 PATSSCESVLTEL SATSLPVITVSLPPEPADLPLPGRAPSSDRPLLSPQTQGEQPDKAKKRHRNRSFL  
 KHLESLRRKEKSGSQAEPKHSPATSEKYSKASSFRSCRGFLSAGFYRAKNWAATSAGGSGANTRKAWEA  
 WPVASFRHPQWTHRGDCLVHVPGDHKPGTFPRSLSIESLCPEDGHRLADWQPGRRWGCEGRRGSCGSTGS  
 HASTYDNLPELYPAEPMVGAEEAEDEDEESGGSYAHLLDILQHWVGLQQRVELWSRAMYPDLGPDEEE  
 EEATSSVEIATVEVKQAEALSQMEVPAHGESPAAQAEVQPAVLAPAQAPAEAPVAQEEAEAPAPAPA  
 PAPAQDSEQEAHSGGEPTFASSLVEEGHSISDVTASSSELDSSGNSMNEAEAAGPLAGLQASMPRERRD  
 SGVGASLTRPCRKLRWHSFQNSHRPSLNSESLINRQFAGQINLLHKGSLRLTAFMEKYTVPHKQGVVW  
 SMPKFMRRNKTPDYRGQHVFGVPLIHVQRTGQPLPQSIQQAMRYLRSQCLDQVGFIRKSGVKSRIQNLR  
 QMNETSPDNVCYEGQSAYDVADLLKQYFRDLPEPIFTSKLTTTFLQIYQLLPKQWLAQAATLPLPDE  
 NREVLQTLLYFLSDIASAEENQMTAGNLAVCLAPSI FHLNVSKKDSPPRIKSKRSLIGRPGPRLSDNM  
 AATQGLSHMISDCKLQVQDMVLQLCSSYSAELSPGPALAEALRQAQAAGVSLSLYMEENIQDLLRD  
 AAERFKGWMSVPGPQHTELACRKAPDGHLRLWKASTEVAAPPVVLHRVLRERALWDEDLRAQVLEAL  
 MPGVELYHYVTDSPMAPHPCRFVFLRMWRSDLPARGCLLVSQSLDPEQPVPESGVRALMLTSQYLMEPCG  
 LGRSRLTHICRADLRGRSPDWYNKVFHGLCAMEVAKIRDSFPTLQAAGPETKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8037\\_d05.zip](https://cdn.origene.com/chromatograms/mk8037_d05.zip)  
**Restriction Sites:** SgfI-MluI  
**Cloning Scheme:**



**ACCN:** NM\_001142503

**ORF Size:** 3309 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001142503.3](#)

**RefSeq ORF:** 3312 bp

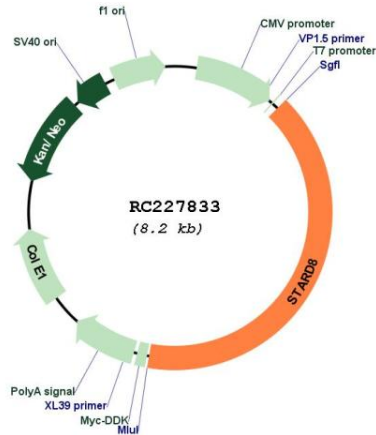
**Locus ID:** 9754

**UniProt ID:** [Q92502](#)

**Cytogenetics:** Xq13.1  
**MW:** 121.6 kDa

**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]

**Product images:**



Circular map for RC227833