

Product datasheet for SC306127

STARD6 (NM_139171) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD6 (NM_139171) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306127 representing NM_139171. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGACTTCAAGGCAATTGCCCAACAACTGCCCAAGAAGTTTATAGTTATAATCGAGATACATCAGGC
 TGGAAAGTGGTTAACTTCAAAAAGATAACTGTTTCCAGTAAGGCTTCTAGAAAATCCATGGAAT
 CTATATCGTGTGAAGGGATAATCCAGAATCACCAGCTAAACTATCTGATTTCTCTACCAACTGGA
 GACAGAATTACATGGGATAAATCATTGCAAGTGTATAATATGGTACACAGGATTGATTCGGACACATTC
 ATATGTCATACCATTACACAAAGTTTGGCGTGGGCTCCATTTCCCTCGAGACTTTATCGACTTAGTG
 TACATCAAGCGCTACGAAGGAAATATGAACATTATCAGTTCTAAAAGTGTGGATTTCCAGAATATCCT
 CCATCTTCAAATTATATCCGCGGTTATAACCATCCTTGTGGCTTTGTATGTTACCAATGGAAGAAAC
 CCAGCATATTCCAACTAGTGATGTTTGTCCAGACAGAAATGAGAGGAAAATTGTCCCCATCAATAATT
 GAAAAAACCATGCCTTCCAACCTAGTAACTTCATCCTCAATGCAAAAGATGGAATAAAGGCACACAGA
 ACTCCATCAAGACGTGGATTTATCATAATAGTCATTCA
 TGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_139171
Insert Size:	663 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).


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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:	<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_139171.1</u>
RefSeq Size:	663 bp
RefSeq ORF:	663 bp
Locus ID:	147323
UniProt ID:	<u>P59095</u>
Cytogenetics:	18q21.2
MW:	25 kDa
Gene Summary:	<p>Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-binding proteins (e.g., SREBP1; MIM 184756) and by liver X receptors (e.g., LXRA; MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is mediated by vesicles or by soluble protein carriers, such as steroidogenic acute regulatory protein (STAR; MIM 600617). STAR is homologous to a family of proteins containing a 200- to 210-amino acid STAR-related lipid transfer (START) domain, including STARD6 (Soccio et al., 2002 [PubMed 12011452]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longer, protein-coding transcript.</p>