

Product datasheet for **SC120593**

STARD4 (NM_139164) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD4 (NM_139164) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD4
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_139164, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGGCCTGTCTGATGTTGCTTCTTTTGAACCTAACTTAAAAACTCTCATCCAGTACCATAGCA
TTGAAGAAGATAAGTGGCGAGTTGCTAAGAAAACGAAAGATGTAAGTGTGGAGAAAACCTCAGAAGA
ATTTAATGGATATCTCTACAAAGCCCAAGGTGTTATAGATGACCTTGTCTATAGTATAATAGACCATATA
CGCCCAGGGCCTTGTGTTTTGGATTGGGACAGCTTGATGACTTCTTTGGATATTCTGGAGAACTTTGAAG
AGAATTGCTGTGTGATGCGTTACACTACTGCTGGTCAGCTTTGGAATATAATTTCCCAAGAGAATTTGT
TGATTTCTCTATACTGTGGGCTATAAAGAAGGGCTTTTATCTTGTGGAATAAGTCTTGACTGGGATGAA
AAGAGACCAGAATTTGTTGAGGATATAACCATCCCTGTGGTTGGTTTTGTGTTCCACTTAAAGACAACC
CAAACCAGAGTCTTTTGACAGGATATATTGACAGATCTGCGTGGGATGATTCTCAGTCTGCGGTAGA
TACAGCCATGGCAAGCACTTTAACCAACTTCTATGGTGATTTACGAAAAGCTTTATGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_139164 unedited TAAATTTTGTATACGACTTCACTATAGGCGGCCGCGAATTCGGCACGAGGCGGTGTGAGG TGCTTGGTAGCGCGCCGTAGCTGCTTCCACGTCCTTGCTTACCTCAGAGAGAAGTAATG GAAGGCCTGTCTGATGTTGCTTCTTTTGCACCTAACTTAAAAACTCTCATCCAGTAC CATAGCATTGAAGAAGATAAGTGGCGAGTTGCTAAGAAAACGAAAAGATGTAAGTGTGG AGAAAACCCCTCAGAAGAATTTAATGGATATCTCTACAAAGCCCAAGGTGTATAGATGAC CTTGTCTATAGTATAATAGACCATATACGCCAGGGCCTTGTCGTTTGGATTGGGACAGC TTGATGACTTCTTTGGATATTCTGGAGAAGTTTGAAGAGAATTGCTGTGTGATGCGTTAC ACTACTGCTGGTCAGCTTTGGAATATAATTTCCCAAGAGAATTTGTTGATTTCTCCTAT ACTGTGGGCTATAAAGAAGGGCTTTTATCTTGTGGAATAAGTCTTGACTGGGATGAAAAG AGACCAGAATTTGTTGAGGATATAACCATCCCTGTGGTTGGTTTTGTGTTCCACTTAA GACAACCCAAACCAGAGTCTTTTGACAGGATATATTCAGACAGATCTGCGTGGGATGATT CCTCAGTCTGCGGTAGATAAGCCATGGCAAGCACTNTAACCAACTTCTATGGTGTATTAC GAAAAGCTNTATGAGAGGCAAAATACATTCAAACCTGTAGTACTACAGATCAACTCTCTC AGCTACATGGNNCCTGTAAAATCATTGATTCCACTNTTCTGCATAGCCCGTAGAAAAATT NGAATGNNNTGGNTCACTAGTACAATGGNTTGGTTTTATTCTAAAGGTAATAGCTATC TAGAGAGGGCATTNTCACTNTTTTTTTTTTAAATTTTGAGAAGGCTCTTACTCTGNTGCC ATGCTNGAGGGGCATGGGTTGATCACAGCTACTGCACCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_139164
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).
RefSeq:	<u>NM_139164.1</u> , <u>NP_631903.1</u>
RefSeq Size:	2264 bp
RefSeq ORF:	618 bp
Locus ID:	134429
UniProt ID:	<u>Q96DR4</u>
Gene Summary:	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 STARD4 (Soccio et al., 2002 [PubMed 12011452]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) encodes the longest isoform (a). Both variants 1 and 2 encode isoform a.