

Product datasheet for SC126625

STARD5 (NM_030574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STARD5 (NM_030574) Human Untagged Clone
Tag:	Tag Free
Symbol:	STARD5
Synonyms:	MGC10327; StAR-related lipid transfer (START) domain containing 5; StAR-related lipid transfer protein 5; START domain containing 5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_030574, the custom clone sequence may differ by one or more nucleotides

[ATGGACCCGGCGCTGGCAGCCCAGATGAGCGAGGCTGTGGCCGAGAAGATGCTCCAGTACCGCGGGGACA
CAGCAGGCTGGAAGATTTGCCGGGAAGGCGTACCAGGAGAAGGATTGTATATGGGACACTAGAGGAGG
TGTGGGACTGTGTGAAGCCAGCTGTTGGAGGCCTACGAGTGAAGTGGGATGA](#)

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_030574 unedited
NAAGCGGTCAAATATTGTATACGACTCACTATAGGCGCCGACATTCGCACGAGGNAG
AACCTCCACTCCCTCCGCTGCCATGAAGCTCAGTTCTCCAGAGATTTTGTGGACTTGGT
GCTAGTCAAGAGATATGAGGATGGGACCATCAGTTCCAACGCCACCCATGTGGAGCATCC
GTTATGTCCCCGAAGCCAGTTTTGTGAGAGGATTTAACCATCCTTGTGGTTGCTTCTG
TGAACCTTCCAGGGGAACCCACCAAGACCAACCTGGTCACATTCTTCCATACCGACCT
CAGCGGTTACCTCCACAGAACGTGGTGGACTCCTTCTCCCCCGCAGCATGACCCGGTT
TTATGCCAACCTTCAGAAAGCAGTGAAGCAATTCATGAGTAATGCTATCGTTACTTCTT
GGCAAAGAACTCCCGTGACTCATCGAGGAGCTCCAGCTGTTGGGACCAAGGAGCCTGG
GAGCACGCAGAGGCTGTGTTCACTCTTTGGAACAAGCTGATGGACTGCGCATCTCTGAG
AATGCCAACCCAGAGGCGGCAGCCACCCTTCTGCCTCCTGCCCACTCAGGGTTGGCGT
GTGATGAGCCATTCATGTGTTCCAAACTCCATCTGCCTGTTACCCAAACACGCCTCTCCT
GGCAGGGTAGACCCAGGCTCTAACCATCTGACAGAGACTCGGCCTGGACACCATGCGAT
GCACTCTGGACCAAGGCTTTATGTGCCATCACTCTCAGAGACCAGTTTCCCTGACTG
TCATAGAGAATCATATCGCCACTGAAAACCAGGCCCTGTTGCCTTTTAAAGCATGTACCG
CTCCCTCAGTCTGTGCTGCAGCCCCCAATATATTTTTCTGATATAGACCTTGTATC



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Restriction Sites:	NotI-NotI
ACCN:	NM_030574
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:	<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:	NM_030574.1 , NP_085051.1
RefSeq Size:	1294 bp
RefSeq ORF:	321 bp
Locus ID:	80765
Cytogenetics:	15q25.1
Gene Summary:	Proteins containing a steroidogenic acute regulatory-related lipid transfer (START) domain are often involved in the trafficking of lipids and cholesterol between diverse intracellular membranes. This gene is a member of the StarD subfamily that encodes START-related lipid transfer proteins. The protein encoded by this gene is a cholesterol transporter and is also able to bind and transport other sterol-derived molecules related to the cholesterol/bile acid biosynthetic pathways such as 25-hydroxycholesterol. Its expression is upregulated during endoplasmic reticulum (ER) stress. The protein is thought to act as a cytosolic sterol transporter that moves cholesterol between intracellular membranes such as from the cytoplasm to the ER and from the ER to the Golgi apparatus. Alternative splicing of this gene produces multiple transcript variants. [provided by RefSeq, Jan 2016]