

## Product datasheet for MR219329

### Stard10 (NM\_019990) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stard10 (NM_019990) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Stard10
Synonyms:	AV048538; CGI-52; NY-C0-28; PC-TP2; PCTP2; Pctpl; Sdccag28; SdccagG28; TISP-81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219329 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGAAAAGCCAGCTGCCTCAACAGAACCCCAAGGGTCTCGGCCCGCCTTGGGCCGTGAAAGTGTCCAGG  
TGCCCGATGACCAGGACTTCCGCAGTTTCCGGTCAGAGTGTGAGGCCGAGGTGGGCTGGAACCTGACCTA  
CAGCAAGGCCGGCGTGTCTGTGGGTGCAGGCTGTGGAGATGGATCGAACTCTGCACAAGATCAAGTGC  
CGGATGGAATGCTGTGACGTGCCAGCTGAGACGCTCTACGATGTCCTGCATGACATAGAATACAGAAAGA  
AGTGGGACAGTAATGTCATTGAGACTTTCGACATCGCCCGCTTGACTGTCAACGCTGACGTAGGATATTA  
TTCTGGAGGTGTCCCAAGCCCCTGAAGAACCCTGATGTCATCACCTCCGCTCCTGGCTCCCCATGGGC  
GCTGATTACATCATTATGAACTACTCAGTGAAACACCCTAAATACCCACCTCGGAAAGACTTGGTCCGAG  
CTGTGTCCATCCAGACGGGCTACCTCATCCAGAGCACGGGGCCCAAGAGCTGCGTCATCACCTACCTGGC  
CCAAGTGGACCCCAAGGCTCCTTACCCAAGTGGGTGGTGAATAAGTCATCTCAGTTCCTGGCCCCAAG  
GCCATGAAGAAGATGTACAAGCCTGCATCAAGTACCCGAGTGGGAAGCAGAAACACCAGCCTCATTTCA  
AGCCATGGCTGCACCCGGAGCAGAGCCATTGCCAGCCTGGCGTGTGAGAGTTGTGCGGTGCAACATGC  
AGACTCACTGGAGAACATCGATGAGAGTGCAGTGACAGAGAGCCCGGAGGAGCGGGCAGGCGGTGCCGGA  
GGAGAGGGCAGCGACGATGACACCTCGCTCACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219329 protein sequence  
Red=Cloning site Green=Tags(s)

MEKPAASTEPQGSRPALGRESVQVPDDQDFRSFRSECEAEVGNLTYSKAGVSVWVQAVEMDRTLHKIKC  
 RMECCDVAETLYDVLHDIERYKKWDSNVIETFDIARLTVNADVGYYSWRCPKPLKNRDVITLRSWLP  
 ADYIIMNYSVKHPKYPPRKDLVRAVSIQTGYLIQSTGPKSCVITYLAQVDPKGSPLKVVVNKSSQFLAPK  
 AMKKMYKACIKYPEWKQKHQPHFKPWLHPEQSPPLSLALSELSVQHADSLENIDESAVTESREERAGGAG  
 GEGSDDDTSLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_019990

**ORF Size:** 876 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\\_019990.1](#), [NM\\_019990.2](#), [NM\\_019990.3](#), [NM\\_019990.4](#), [NP\\_064374.1](#)

**RefSeq Size:** 1198 bp

**RefSeq ORF:** 876 bp

**Locus ID:** 56018

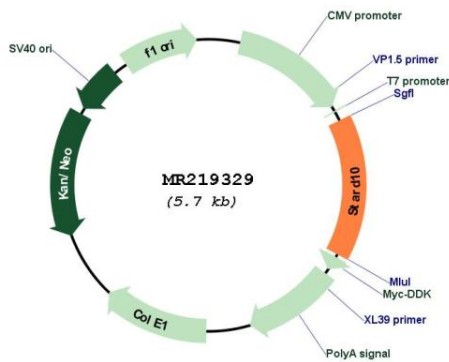
**UniProt ID:** [Q9JMD3](#)

**Cytogenetics:** 7 E2

**MW:** 33 kDa

**Gene Summary:** Phospholipid transfer protein that preferentially selects lipid species containing a palmitoyl or stearyl chain on the sn-1 and an unsaturated fatty acyl chain (18:1 or 18:2) on the sn-2 position. Able to transfer phosphatidylcholine (PC) and phosphatidylethanolamine (PE) between membranes (By similarity). May play metabolic roles in sperm maturation or fertilization.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR219329