

Product datasheet for RC223123L4

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com

CN: techsupport@origene.cn

OriGene Technologies, Inc.

STARD4 (NM_139164) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: STARD4 (NM 139164) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: STARD4

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this cl

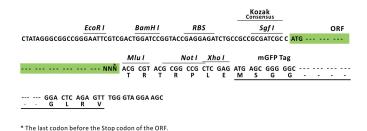
Sequence:

The ORF insert of this clone is exactly the same as(RC223123).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_139164

ORF Size: 615 bp



STARD4 (NM_139164) Human Tagged Lenti ORF Clone - RC223123L4

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: <u>NM 139164.1</u>

RefSeq Size: 2264 bp
RefSeq ORF: 618 bp
Locus ID: 134429
UniProt ID: Q96DR4

Cytogenetics: 5q22.1 MW: 23.3 kDa

Gene Summary: Cholesterol homeostasis is regulated, at least in part, by sterol regulatory element (SRE)-

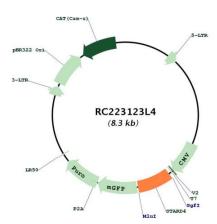
binding proteins (e.g., SREBP1; MIM 184756) and by liver X receptors (e.g., LXRA; MIM 602423). Upon sterol depletion, LXRs are inactive and SREBPs are cleaved, after which they bind promoter SREs and activate genes involved in cholesterol biosynthesis and uptake. Sterol transport is mediated by vesicles 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]



Product images:



Circular map for RC223123L4