

## Product datasheet for **RC203803L3V**

### STAR (NM\_000349) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	STAR (NM_000349) Human Tagged ORF Clone Lentiviral Particle
Symbol:	STAR
Synonyms:	STARD1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_000349
ORF Size:	855 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203803).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_000349.2</a>
RefSeq Size:	2695 bp
RefSeq ORF:	858 bp
Locus ID:	6770
UniProt ID:	<a href="#">P49675</a>
Cytogenetics:	8p11.23
Protein Families:	Druggable Genome
MW:	31.9 kDa



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**Gene Summary:**

The protein encoded by this gene plays a key role in the acute regulation of steroid hormone synthesis by enhancing the conversion of cholesterol into pregnenolone. This protein permits the cleavage of cholesterol into pregnenolone by mediating the transport of cholesterol from the outer mitochondrial membrane to the inner mitochondrial membrane. Mutations in this gene are a cause of congenital lipoid adrenal hyperplasia (LAH), also called lipoid CAH. A pseudogene of this gene is located on chromosome 13. [provided by RefSeq, Jul 2008]