

Product datasheet for **RC223331L2V**

ASTL (NM_001002036) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	ASTL
Synonyms:	SAS1B
Mammalian Cell	None
Selection:	
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001002036
ORF Size:	1293 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC223331).

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.

RefSeq:	NM_001002036.2
RefSeq Size:	1296 bp
RefSeq ORF:	1296 bp
Locus ID:	431705
UniProt ID:	Q6HA08
Cytogenetics:	2q11.2



Protein Families: Transmembrane

MW: 45.8 kDa

Gene Summary: Oocyte-specific oolemmal receptor involved in sperm and egg adhesion and fertilization. Plays a role in the polyspermy inhibition. Probably acts as a protease for the post-fertilization cleavage of ZP2. Cleaves the sperm-binding ZP2 at the surface of the zona pellucida after fertilization and cortical granule exocytosis, rendering the zona pellucida unable to support further sperm binding (By similarity).[UniProtKB/Swiss-Prot Function]