

## Product datasheet for RC229961L4

**OriGene Technologies, Inc.**  
 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

### ASTN2 (NM\_001184734) Human Tagged Lenti ORF Clone

#### Product data:

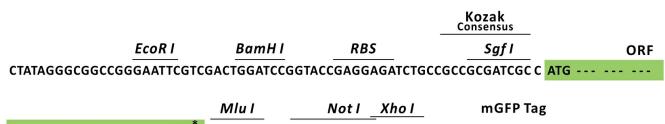
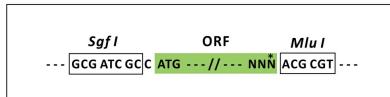
**Product Type:** Expression Plasmids  
**Tag:** mGFP  
**Symbol:** ASTN2  
**Synonyms:** bA67K19.1  
**Mammalian Cell:** Puromycin  
**Selection:**  
**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)  
**E. coli Selection:** Chloramphenicol (34 ug/mL)

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC229961).

**Restriction Sites:** Sgfl-Mlul

#### Cloning Scheme:

Cloning sites used for ORF Shutting:



--- --- --- NNN\* ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC --- --- ---  
 T R T R P L E M S G G G

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

**ACCN:** NM\_001184734

**ORF Size:** 1125 bp



View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

---

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_001184734.1</a> , <a href="#">NP_001171663.1</a>
<b>RefSeq ORF:</b>	1128 bp
<b>Locus ID:</b>	23245
<b>Cytogenetics:</b>	9q33.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	42.7 kDa
<b>Gene Summary:</b>	This gene encodes a protein that is expressed in the brain and may function in neuronal migration, based on functional studies of the related astrotactin 1 gene in human and mouse. A deletion at this locus has been associated with schizophrenia. Multiple transcript variants encoding different proteins have been found for this locus. [provided by RefSeq, May 2010]

**Product images:**