

## Product datasheet for **MR223105L4V**

### Astn2 (NM\_207109) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Astn2 (NM_207109) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Astn2
Synonyms:	1d8; Astnl; bM452J22.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_207109
ORF Size:	4056 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223105).
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_207109.2</a> , <a href="#">NP_996992.1</a>
RefSeq Size:	4831 bp
RefSeq ORF:	4059 bp
Locus ID:	56079
UniProt ID:	<a href="#">Q80Z10</a>
Cytogenetics:	4 C1



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**Gene Summary:**

Mediates recycling of the neuronal cell adhesion molecule ASTN1 to the anterior pole of the cell membrane in migrating neurons. Promotes ASTN1 internalization and intracellular transport of endocytosed ASTN1 (PubMed:20573900). Selectively binds inositol-4,5-bisphosphate, inositol-3,4,5-trisphosphate and inositol-1,3,4,5-tetrakisphosphate, suggesting it is recruited to membranes that contain lipids with a phosphoinositide headgroup (By similarity).[UniProtKB/Swiss-Prot Function]