

## Product datasheet for **MR204432L4V**

### Aspa (NM\_023113) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Aspa (NM_023113) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aspa
Synonyms:	Acy; Acy-; Acy-2; Acy2; nu; nur7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023113
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204432).
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_023113.3</a> , <a href="#">NP_075602.2</a>
RefSeq Size:	1537 bp
RefSeq ORF:	939 bp
Locus ID:	11484
UniProt ID:	<a href="#">Q8R3P0</a>
Cytogenetics:	11 B4



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**Gene Summary:**

This gene encodes an enzyme that deacetylates N-acetyl-L-aspartic acid (NAA) in the brain to yield acetate and L-aspartate. In humans, alterations in neuronal NAA concentration are associated with many neurodegenerative diseases (decrease associated with epilepsy, multiple sclerosis, myotrophic lateral sclerosis, and Alzheimer's disease; increase associated with Canavan disease). In mouse, mutations in this gene, which cause accumulation of NAA, result in demyelination and spongy degeneration in the CNS and serve as a pathophysiological model for Canavan disease. [provided by RefSeq, Dec 2012]