

Product datasheet for **RC206564L4V**

ASPA (NM_000049) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ASPA (NM_000049) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASPA
Synonyms:	ACY2; ASP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000049
ORF Size:	939 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206564).
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_000049.2
RefSeq Size:	1435 bp
RefSeq ORF:	942 bp
Locus ID:	443
UniProt ID:	P45381
Cytogenetics:	17p13.2
Domains:	Aste_AspA
Protein Families:	Druggable Genome



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Protein Pathways: Alanine, aspartate and glutamate metabolism, Histidine metabolism

MW: 35.7 kDa

Gene Summary: This gene encodes an enzyme that catalyzes the conversion of N-acetyl_L-aspartic acid (NAA) to aspartate and acetate. NAA is abundant in the brain where hydrolysis by aspartoacylase is thought to help maintain white matter. This protein is an NAA scavenger in other tissues. Mutations in this gene cause Canavan disease. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]