

## Product datasheet for **RC217101L4V**

### ASMT (NM\_004043) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ASMT (NM_004043) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASMT
Synonyms:	ASMTY; HIOMT; HIOMTY
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004043
ORF Size:	1119 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217101).
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_004043.1</a> , <a href="#">NP_004034.2</a>
RefSeq Size:	1370 bp
RefSeq ORF:	1122 bp
Locus ID:	438
UniProt ID:	<a href="#">P46597</a>
Cytogenetics:	X;Y
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Tryptophan metabolism



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**MW:** 41.5 kDa

**Gene Summary:** This gene belongs to the methyltransferase superfamily, and is located in the pseudoautosomal region (PAR) at the end of the short arms of the X and Y chromosomes. The encoded enzyme catalyzes the final reaction in the synthesis of melatonin, and is abundant in the pineal gland. Alternatively spliced transcript variants have been noted for this gene. [provided by RefSeq, Jan 2010]