

Product datasheet for **RC228880L4V**

S adenosylhomocysteine hydrolase (AHCY) (NM_001161766) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	S adenosylhomocysteine hydrolase (AHCY) (NM_001161766) Human Tagged ORF Clone Lentiviral Particle
Symbol:	AHCY
Synonyms:	adoHcyase; SAHH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001161766
ORF Size:	1299 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228880).
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_001161766.1 , NP_001155238.1
RefSeq Size:	2375 bp
RefSeq ORF:	1215 bp
Locus ID:	191
UniProt ID:	P23526
Cytogenetics:	20q11.22
Protein Families:	Druggable Genome



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Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways, Selenoamino acid metabolism

MW: 47.7 kDa

Gene Summary: S-adenosylhomocysteine hydrolase belongs to the adenosylhomocysteinase family. It catalyzes the reversible hydrolysis of S-adenosylhomocysteine (AdoHcy) to adenosine (Ado) and L-homocysteine (Hcy). Thus, it regulates the intracellular S-adenosylhomocysteine (SAH) concentration thought to be important for transmethylation reactions. Deficiency in this protein is one of the different causes of hypermethioninemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]