

Product datasheet for **RC224361L4V**

HNMT (NM_001024075) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HNMT (NM_001024075) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HNMT
Synonyms:	HMT; HNMT-S1; HNMT-S2; MRT51
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001024075
ORF Size:	378 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224361).
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_001024075.1
RefSeq Size:	907 bp
RefSeq ORF:	381 bp
Locus ID:	3176
UniProt ID:	P50135
Cytogenetics:	2q22.1
Protein Families:	Druggable Genome
Protein Pathways:	Histidine metabolism



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MW: 14 kDa

Gene Summary: In mammals, histamine is metabolized by two major pathways: N(tau)-methylation via histamine N-methyltransferase and oxidative deamination via diamine oxidase. This gene encodes the first enzyme which is found in the cytosol and uses S-adenosyl-L-methionine as the methyl donor. In the mammalian brain, the neurotransmitter activity of histamine is controlled by N(tau)-methylation as diamine oxidase is not found in the central nervous system. A common genetic polymorphism affects the activity levels of this gene product in red blood cells. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq, Jul 2008]