Product datasheet for RC212399L2V

C2orf60 (TYW5) (NM_001039693) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	C2orf60 (TYW5) (NM_001039693) Human Tagged ORF Clone Lentiviral Particle
Symbol:	C2orf60
Synonyms:	C2orf60; hTYW5
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001039693
ORF Size:	945 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212399).
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_001039693.1
RefSeq Size:	5384 bp
RefSeq ORF:	948 bp
Locus ID:	129450
UniProt ID:	A2RUC4
Cytogenetics:	2q33.1
MW:	36.5 kDa

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Gene Summary: tRNA hydroxylase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the hydroxylation of 7-(a-amino-a-carboxypropyl)wyosine (yW-72) into undermodified hydroxywybutosine (OHyW*). OHyW* being further transformed into hydroxywybutosine (OHyW) by LCMT2/TYW4. OHyW is a derivative of wybutosine found in higher eukaryotes.[UniProtKB/Swiss-Prot Function]