

Product datasheet for **RC210979L4V**

PUS10 (NM_144709) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PUS10 (NM_144709) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PUS10
Synonyms:	CCDC139; DOBI; Hup10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144709
ORF Size:	1587 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210979).
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_144709.1
RefSeq Size:	3820 bp
RefSeq ORF:	1590 bp
Locus ID:	150962
UniProt ID:	Q3MIT2
Cytogenetics:	2p16.1-p15
MW:	60.2 kDa


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Gene Summary:

Pseudouridination, the isomerization of uridine to pseudouridine, is the most common posttranscriptional nucleotide modification found in RNA and is essential for biologic functions such as spliceosome biogenesis. Pseudouridylate synthases, such as PUS10, catalyze pseudouridination of structural RNAs, including transfer, ribosomal, and splicing RNAs. These enzymes also act as RNA chaperones, facilitating the correct folding and assembly of tRNAs (McCleverty et al., 2007 [PubMed 17900615]).[supplied by OMIM, May 2009]