

Product datasheet for **MR223412L4V**

Bhlhe41 (NM_024469) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Bhlhe41 (NM_024469) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Bhlhe41
Synonyms:	6430520M22Rik; Bhlhb; Bhlhb2l; Bhlhb3; DEC2; Sh; Sharp1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024469
ORF Size:	1230 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223412).
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_024469.1 , NP_077789.1
RefSeq Size:	1421 bp
RefSeq ORF:	1233 bp
Locus ID:	79362
UniProt ID:	Q99PV5
Cytogenetics:	6 77.7 cM



[View online »](#)

Gene Summary:

This gene encodes a basic helix-loop-helix protein expressed in various tissues. The encoded protein can interact with Arntl or compete for E-box binding sites in the promoter of Per1 and repress Clock/Arntl's transactivation of Per1. This gene is believed to be involved in the control of circadian rhythm and cell differentiation. Defects in this gene are associated with the short sleep phenotype. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2014]