Product datasheet for RC210294L1V

SHARP2 (BHLHE40) (NM_003670) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SHARP2 (BHLHE40) (NM_003670) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SHARP2
Synonyms:	BHLHB2; Clast5; DEC1; HLHB2; SHARP-2; SHARP2; STRA13; Stra14
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_003670
ORF Size:	1236 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210294).
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_003670.1
RefSeq Size:	3061 bp
RefSeq ORF:	1239 bp
Locus ID:	8553
UniProt ID:	O14503
Cytogenetics:	3p26.1
Domains:	HLH, ORANGE
Protein Families:	Transcription Factors

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Protein Pathways:	Circadian rhythm - mammal
MW:	45.5 kDa
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. [provided by RefSeq, Feb 2014]