

Product datasheet for **RC215938L4V**

BHLHA15 (NM_177455) Human Tagged ORF Clone Lentiviral Particle

Product data:

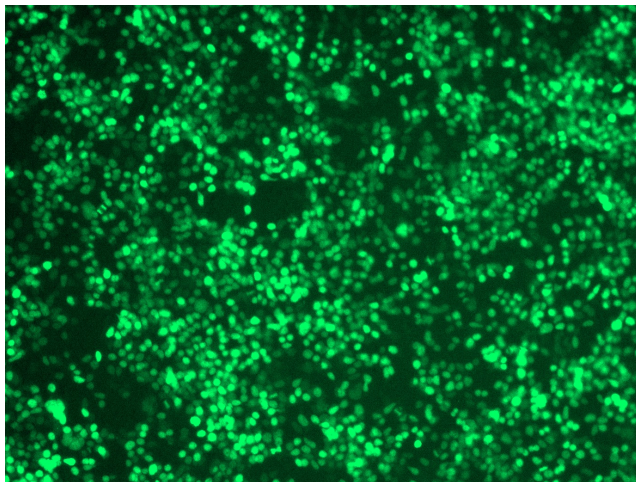
Product Type:	Lentiviral Particles
Product Name:	BHLHA15 (NM_177455) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BHLHA15
Synonyms:	BHLHB8; MIST1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_177455
ORF Size:	567 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215938).
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_177455.2
RefSeq Size:	588 bp
RefSeq ORF:	570 bp
Locus ID:	168620
UniProt ID:	Q7RTS1
Cytogenetics:	7q21.3
Protein Pathways:	Maturity onset diabetes of the young
MW:	20.6 kDa



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Gene Summary:

Plays a role in controlling the transcriptional activity of MYOD1, ensuring that expanding myoblast populations remain undifferentiated. Repression may occur through muscle-specific E-box occupancy by homodimers. May also negatively regulate bHLH-mediated transcription through an N-terminal repressor domain. Serves as a key regulator of acinar cell function, stability, and identity. Also required for normal organelle localization in exocrine cells and for mitochondrial calcium ion transport. May function as a unique regulator of gene expression in several different embryonic and postnatal cell lineages. Binds to the E-box consensus sequence 5'-CANNTG-3' (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:

[RC215938L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC215938L4V particle to overexpress human BHLHA15-mGFP fusion protein.