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Product datasheet for RC201123L2V

ASCL1 (NM_004316) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	ASCL1 (NM_004316) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ASCL1
Synonyms:	ASH1; bHLHa46; HASH1; MASH1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_004316
ORF Size:	708 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201123).
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_004316.2
RefSeq Size:	2490 bp
RefSeq ORF:	711 bp
Locus ID:	429
UniProt ID:	P50553
Cytogenetics:	12q23.2
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors

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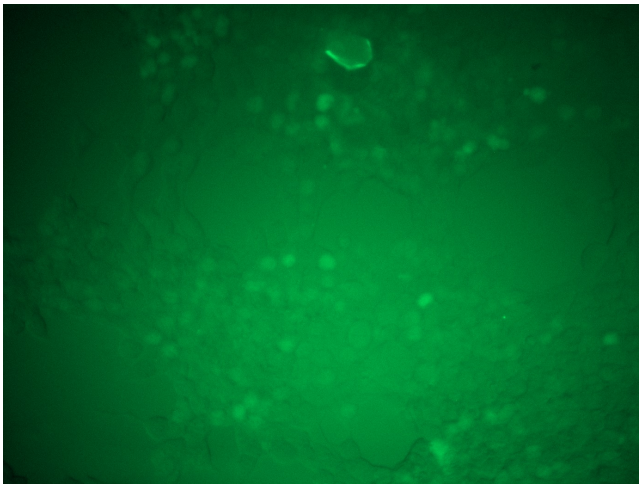
MW: 25.5 kDa

Gene Summary: This gene encodes a member of the basic helix-loop-helix (BHLH) family of transcription factors. The protein activates transcription by binding to the E box (5'-CANNTG-3'). Dimerization with other BHLH proteins is required for efficient DNA binding. This protein plays a role in the neuronal commitment and differentiation and in the generation of olfactory and autonomic neurons. Mutations in this gene may contribute to the congenital central hypoventilation syndrome (CCHS) phenotype in rare cases. [provided by RefSeq, Jul 2008]

Product images:



[RC201123L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201123L2V particle to overexpress human ASCL1-mGFP fusion protein.