

OriGene Technologies, Inc.

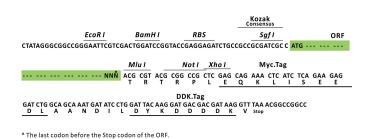
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Product datasheet for RC222046L1

BHLHB5 (BHLHE22) (NM_152414) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BHLHB5 (BHLHE22) (NM_152414) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	BHLHB5
Synonyms:	Beta3; Beta3a; BHLHB5; CAGL85; TNRC20
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222046).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Mlu I GCG ATC GC/c ATG // NNN ACG CGT



ACCN: NM_152414 ORF Size: 1143 bp



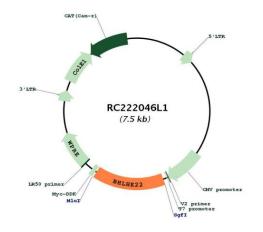
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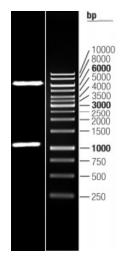
	5 (BHLHE22) (NM_152414) Human Tagged Lenti ORF Clone – RC222046L1
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 152414.3</u>
RefSeq Size:	3388 bp
RefSeq ORF:	1146 bp
Locus ID:	27319
UniProt ID:	<u>Q8NFJ8</u>
Cytogenetics:	8q12.3
Protein Families:	Druggable Genome
MW:	36.8 kDa
Gene Summary:	This gene encodes a protein that belongs to the basic helix-loop-helix (bHLH) family of transcription factors that regulate cell fate determination, proliferation, and differentiation. A similar protein in mouse is required for the development of the dorsal cochlear nuclei, and is thought to play a role in in the differentiation of neurons involved in sensory input. The mouse protein also functions in retinogenesis. [provided by RefSeq, Oct 2016]

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Product images:



Circular map for RC222046L1



Double digestion of RC222046L1 using Sgfl and Mlul

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