

Product datasheet for RC222687L1

ZNF148 (NM_021964) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF148 (NM_021964) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF148
Synonyms:	BERF-1; BFCOL1; GDACCF; HT-BETA; pHZ-52; ZBP-89; ZFP148
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(RC222687).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

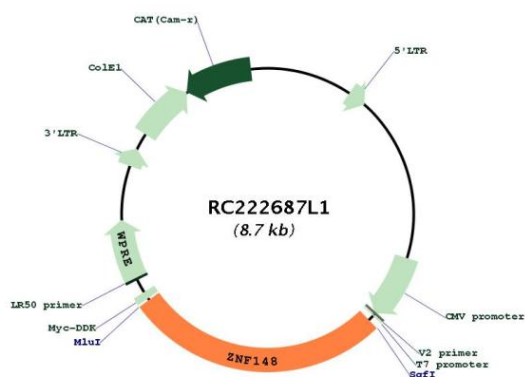
ACCN:	NM_021964
ORF Size:	2382 bp



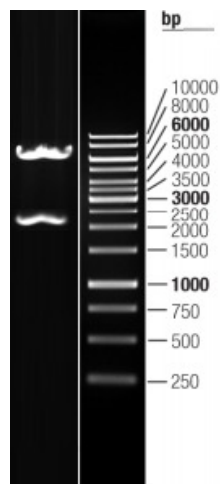
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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.
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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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:	NM_021964.1
RefSeq Size:	3032 bp
RefSeq ORF:	2385 bp
Locus ID:	7707
UniProt ID:	Q9UQR1
Cytogenetics:	3q21.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
MW:	88.8 kDa
Gene Summary:	The protein encoded by this gene is a member of the Kruppel family of zinc finger DNA binding proteins. The encoded protein activates transcription of the T-cell receptor and intestinal alkaline phosphatase genes but represses transcription of the ornithine decarboxylase, vimentin, gastrin, stomelysin, and enolase genes. Increased expression of this gene results in decreased patient survival rates from colorectal cancer, while mutations in this gene have been associated with global developmental delay, hypoplastic corpus callosum, and dysmorphic facies. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RC222687L1



Double digestion of RC222687L1 using SgfI and MluI