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Product datasheet for MR210700

Zfp148 (NM_011749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zfp148 (NM_011749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zfp148
Synonyms:	2210405J08Rik; AI480666; AW045217; BERF-1; BFCOL1; ZBP-89; Znf148
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210700 representing NM_011749
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACATTGACGACAAACTGGAAGGATTGTTTCTTAAATGTGGCGGCATAGACGAAATGCAGTCTTCCA
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CAGCATCCATACTGGATTCCCAGGCACTGAATGTGGAGATTAAGAGCAATCATGACAAAAATGTTATCCC
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GC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR210700 representing NM_011749
Red=Cloning site Green=Tags(s)

MNIDDKLEGLFLKCGGIDEMQSSRAMVVMGGVSGQSAVSGELQESVLQDRSLPHQEILAADEVLQESEMR
QQDMISHDELMVHEETVKNDEEQMDTHERLPQGLQYALNVPISVKQEITFTDVSEQLMRDKKQVREPVDL
QKKKKRKQRSPAKILTINEDGSLGLKTPKSHVCEHCNAAFRTNYHLQRHVFIHTGEKPFQCSQCDMRFIQ
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VGTIASQPSVTQAAVASVIDESTTASILDSQALNVEIKSNHDKNVIPDEVLQTLLDHYSHKPNGQHEISF
SVADTEVTSSISINSSDVPEVTQSENVGSSSQASSSDKANMLQEYSKFLQQALDRTSQNDAYLNSPSLNF
VTDNQTLPNPPAFSSIDKQVYAAMPINSFRSGMNSPLRTTPDKSHFGLIVGDSQHPFPFSGDETNHASAT
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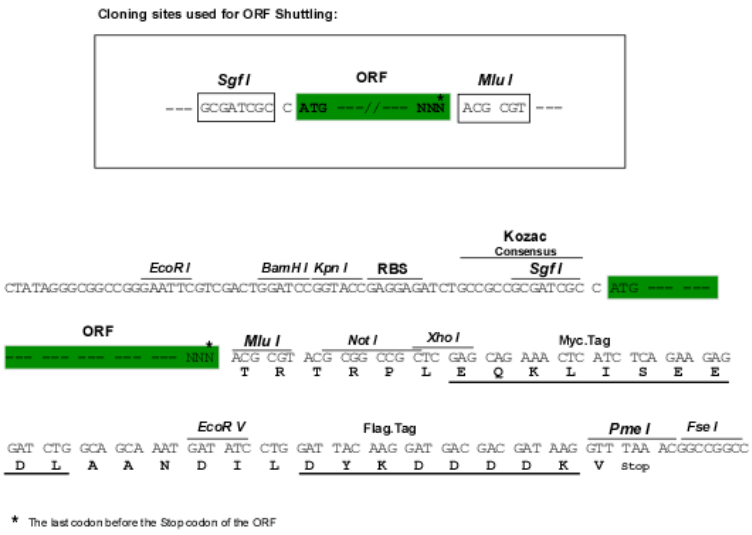
LVNVNDNRAGMTSSPDATTGQTFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9037_a07.zip

Restriction Sites: SgfI-MluI

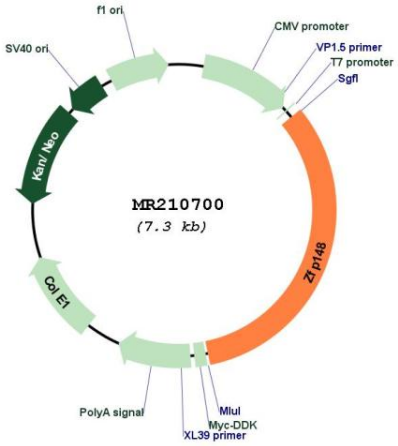
Cloning Scheme:



ACCN:	NM_011749
ORF Size:	2382 bp
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_011749.4, NP_035879.1
RefSeq Size:	9431 bp
RefSeq ORF:	2385 bp
Locus ID:	22661
UniProt ID:	Q61624
Cytogenetics:	16 23.93 cM
MW:	89.2 kDa
Gene Summary:	Involved in transcriptional regulation. Represses the transcription of a number of genes including gastrin, stromelysin and enolase. Binds to the G-rich box in the enhancer region of these genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210700