OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR228570

Zc4h2 (NM_001289697) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zc4h2 (NM_001289697) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zc4h2
Synonyms:	Gm372; mKIAA1166
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR228570 representing NM_001289697 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGATGAACAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACTCTGCAGA TGGAAAAGATCAAGGCCCGTTTGAAGGCTGAGTTCGAGGCTCTGGAGTCTGAAGAGAGGCACCTGAAAGA ATACAAACAGGAGATGGATCTCCTGCTACAGGAGAAGATGGCCCATGTGGAGGAACTCCGACTCATCCAT GCTGATATCAATGTGTCTGAAAATGACTTAAACAAGCTGCTGGAGTCAACCCGGAGGCTTCATGATGAGT ATAAACCACTGAAAGAACACGTGGATGCCCTGCGCATGACATTGGGCCTGCAAAGGCTTCCTGACCTGTG TGAAGAGGAAGAGAAACTCTCCTTGGATTACTTTGAGAAGCAGAAAGCAGAATGGCAGACTGAACCTCAA GAACCCCCCATACCTGAATCCCTTGCTGCTGCAGCTGCTGCTGCTCAACAACTCCAGGTGGCCAGGAAGC AGGACACAAGGCAGACAGCCACCTTCAGGCAGCAGCCTCCACCTATGAAGGCCTGTTTGTCATGTCACCA ACAGATTCATCGAAATGCACCTATATGCCCTCTTTGCAAAGCCAAGAGTCGGTCACGGAACCCCAAAAAG CCAAAACGGAAGCAAGATGAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

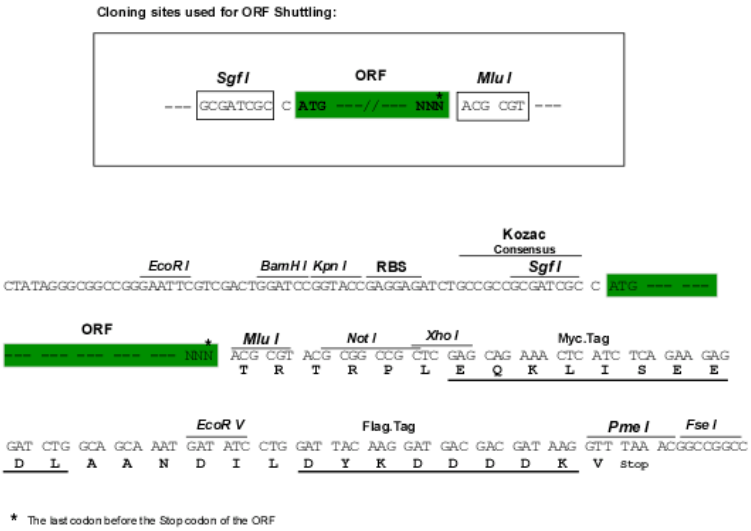
>MR228570 representing NM_001289697
Red=Cloning site Green=Tags(s)

MADEQEIMCKLESIKEIRNKTLQMEKIKARLKAEFEALESEERHLKEYKQEMDLLLQEKMAHVEELRLIH
ADINVSENDLNKLLESTRRLHDEYKPLKEHVDALRMTLGLQRLPDLCEEEEKLSLDYFEKQKAEWQTEPQ
EPPIPESLAAAAAAAQQLQVARKQDTRQTATFRQQPPPMKACLSCHQQIHRNAPICPLCKAKSRSRNPKK
PKRKQDE

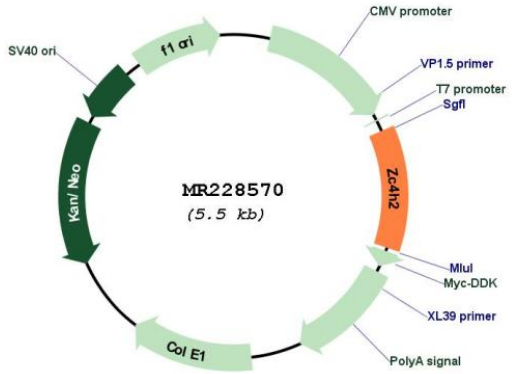
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289697

ORF Size: 651 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.
RefSeq:	NM_001289697.1, NP_001276626.1
RefSeq Size:	2215 bp
RefSeq ORF:	654 bp
Locus ID:	245522
UniProt ID:	Q68FG0
Cytogenetics:	X C3
MW:	25.8 kDa
Gene Summary:	Plays a role in interneurons differentiation. Involved in neuronal development and in neuromuscular junction formation.[UniProtKB/Swiss-Prot Function]