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Product datasheet for RC229678

ZC4H2 (NM_001178032) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZC4H2 (NM_001178032) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZC4H2
Synonyms:	HCA127; KIAA1166; MCS; MRXS4; WRWF; WRWFFR; WWS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC229678 representing NM_001178032 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCAGATGAGCAAGAAATCATGTGCAAATTGGAAAGCATTAAAGAGATCAGGAACAAGACCCTGCAGA TGGAGAAGATCAAGGCTCGTTTGAAGGCTGAGTTTGAGGCACTTGAGTCAGAGGAAAGGCACCTGAAGGA ATACAAGCAGGAGATGGACCTTCTGCTACAGGAGAAGATGGCCCATGTGGAGGAACTCCGACTGATCCAC GCTGACATCAATGTGATGGAAAACACTATCAAACAATCTGAGAATGACCTAAACAAGCTGCTAGAGTCTA CAAGGAGGCTGCATGATGAGTATAAGCCACTGAAAGAACATGTGGATGCCCTGCGCATGACTCTGGGCCT GCAGAGGCTCCCTGACTTGTGTGAAGAAGAGGAGAAGCTTTCCTTGGATTACTTTGAGAAGCAGAAAGCA GAATGGCAGACAGAACCTCAGGAGCCCCCCATCCCTGAGTCCCTGGCCGCTGCAGCCGCTGCCGCCCAAC AGCTCCAAGTGGCTAGGAAGCAGGATACTCGGCAGACGGCCACCTTCAGGCAGCAGCCCCCACCTATGAA GGCCTGCTTGTCATGTCACCAGCAAATTCACCGGAATGCACCTATATGCCCTCTTTGCAAGGCCAAGAGT CGGTCCCGGAACCCCAAAAAGCCGAAACGGAAGCAGGATGAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

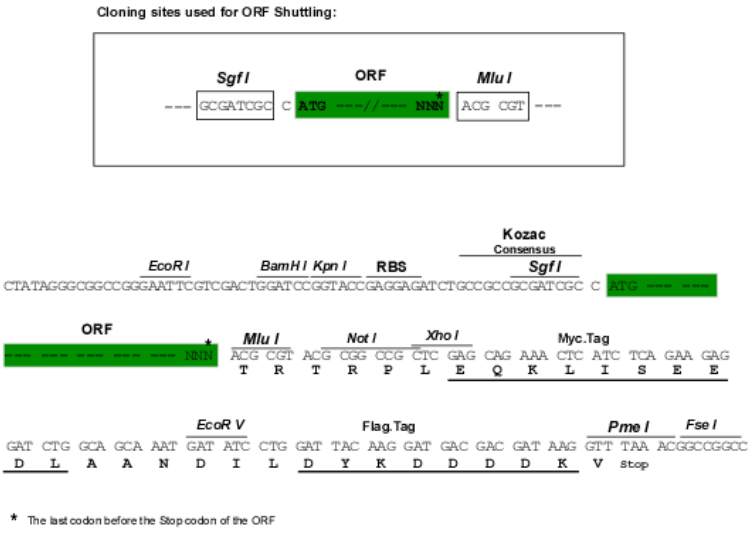
>RC229678 representing NM_001178032
Red=Cloning site Green=Tags(s)

MADEQEIMCKLESIKEIRNKTLQMEKIKARLKAEFEALESEERHLKEYKQEMDLLLQEKMAHVEELRLIH
ADINVMENTIKQSENDLNKLLESTRRLHDEYKPLKEHVDALRMTLGLQRLPDLCEEEEKLSLDYFEKQKA
EWQTEPQEPPIPESLAAAAAAAQQLQVARKQDTRQTATFRQQPPPMKACLSCHQQIHRNAPICPLCKAKS
RSRNPKKPKRKQDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001178032

ORF Size: 675 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_001178032.1, NM_001178032.2, NP_001171503.1

RefSeq Size: 2974 bp

RefSeq ORF: 606 bp

Locus ID: 55906

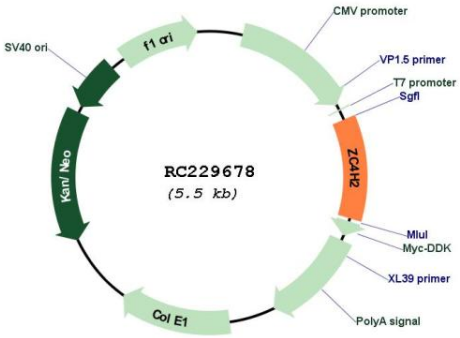
UniProt ID: Q9NQZ6

Cytogenetics: Xq11.2

MW: 26.2 kDa

Gene Summary: This gene encodes a member of the zinc finger domain-containing protein family. This family member has a C-terminal zinc finger domain that is characterized by four cysteine residues and two histidine residues, and it also includes a coiled-coil region. This protein has been detected as an autoantigen in hepatocellular carcinoma patients. This gene has been identified as a potential candidate for X-linked cognitive disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RC229678