

Product datasheet for **RC202856**

ZNF346 (NM_012279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF346 (NM_012279) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF346
Synonyms:	JAZ; Zfp346
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202856 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGTATCCCGCGCCGCCACGGTGCAGGCCGCGGACGGCGGAGCGGCCGGCCCTTACAGCAGCTCGG
AGTTGCTGGAGGGCCAGGAGCCGGACGGGGTGCCTTTGACCGCGAGAGGGCGCGCCGCTGTGGGAAGC
CGTGTCCGGTGCCAGCCGGTGGGTAGAGAGGAAGTGGAGCACATGATCCAGAAGAACCAATGTCTCTTC
ACCAACACCCAGTGAAGGTTTGTGCGCCTTGCTTATTCTGAGTCCCAGAAGCTGGCACATTACCAGA
GCAAAAAACATGCCAACAAAGTGAAGAGATACCTAGCAATCCATGGAATGGAGACATTAAGGGGAAAC
GAAGAAGCTAGACTCAGATCAGAAGAGCAGCAGAAGCAAAGACAAGAACCAGTGCTGCCCATCTGTAAC
ATGACCTTTTCTCCCTGTCGTGGCCAGTCGCACTACCTGGGGAAGACCCACGCAAAGAACTTAAGC
TGAAGCAGCAGTCCACTAAGGTGGAAGCCTTGACCAGAATAGAGAGATGATAGACCCAGACAAGTTCTG
CAGCCTTGCCATGCAACTTTCAACGACCCTGTCATGGCTCAACAACATTATGTGGGCAAGAAACACAGA
AAACAGGAGACCAAGCTCAAACATGAGCAGCTATGGGCGGCTGGCGGACCCTGCTGCTACTGACTTTC
CAGCTGGAAGGGCTACCCCTGCAAAACATGTAAGATAGTGTGAACTCCATAGAACAGTACCAAGCTCA
TGTCAGCGGCTTCAAACACAAGAACCAGTCAACAAAAACAGTGGCATCATCCCTGGGCCAGATTCCAATG
CAAAGGCAACCCATTAGAAAGACTCAACCACCTTGAAGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RC202856 protein sequence
Red=Cloning site Green=Tags(s)

MEYPAPATVQAADGGAAGPYSSSELLEGQEPDGVRFDRERARRLWEAVSGAQPVGREEVEHMIQKNQCLF
 TNTQCKVCCALLISESQLAHYQSKKHANKVKRYLAIHGMETLKGETKKLSDQKSSRSKDNQCCPICN
 MTFSSPVVAQSHYLKTHAKNLKQKQSTKVEALHQNREIDPDKFCSLCHATFNDPVMQAQQHYVGGKHR
 KQETKLLMARYGRLADPAVTDFFPAGKGYPCKTCKIVLNSIEQYQAHVSGFKHKNQSPKTVASSLGQIPM
 QRQPIQKDDSTTLED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6627_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012279

ORF Size: 882 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_012279.4](#)

RefSeq Size: 3089 bp

RefSeq ORF: 885 bp

Locus ID: 23567

UniProt ID: [Q9UL40](#)

Cytogenetics: 5q35.2

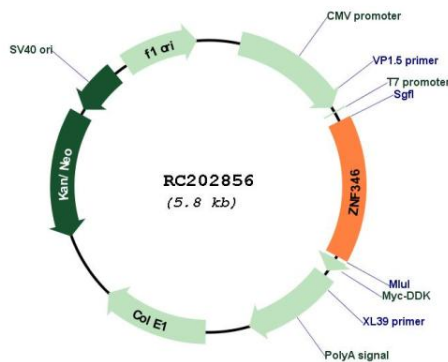
Domains: ZnF_U1, zf-C2H2

Protein Families: Druggable Genome

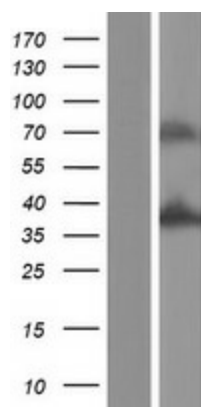
MW: 32.9 kDa

Gene Summary: The protein encoded by this gene is a nucleolar, zinc finger protein that preferentially binds to double-stranded (ds) RNA or RNA/DNA hybrids, rather than DNA alone. Mutational studies indicate that the zinc finger domains are not only essential for dsRNA binding, but are also required for its nucleolar localization. The encoded protein may be involved in cell growth and survival. It plays a role in protecting neurons by inhibiting cell cycle re-entry via stimulation of p21 gene expression. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2015]

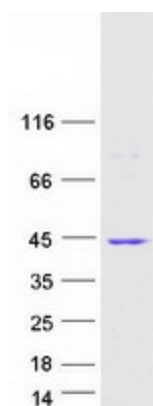
Product images:



Circular map for RC202856



Western blot validation of overexpression lysate (Cat# [LY415847]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202856 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ZNF346 protein (Cat# [TP302856]). The protein was produced from HEK293T cells transfected with ZNF346 cDNA clone (Cat# RC202856) using MegaTran 2.0 (Cat# [TT210002]).