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Product datasheet for RG202856

ZNF346 (NM_012279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF346 (NM_012279) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF346
Synonyms:	JAZ; Zfp346
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG202856 representing NM_012279
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTATCCCGCGCCGGCCACGGTGCAGGCCGCGGACGGCGGAGCGGCCGGGCCTTACAGCAGCTCGG
AGTTGCTGGAGGGCCAGGAGCCGGACGGGGTGCGCTTTGACCGCGAGAGGGCGCGCCGCCTGTGGGAAGC
CGTGTCCGGTGCCCAGCCGGTGGGTAGAGAGGAAGTGGAGCACATGATCCAGAAGAACCAATGTCTCTTC
ACCAACACCCAGTGTAAGGTTTGCTGCGCCTTGCTTATTTCTGAGTCCCAGAAGCTGGCACATTACCAGA
GCAAAAAACATGCCAACAAAGTGAAGAGATACCTAGCAATCCATGGAATGGAGACATTAAAGGGGGAAAC
GAAGAAGCTAGACTCAGATCAGAAGAGCAGCAGAAGCAAAGACAAGAACCAGTGCTGCCCCATCTGTAAC
ATGACCTTTTCCTCCCCTGTCGTGGCCCAGTCGCACTACCTGGGGAAGACCCACGCAAAGAACTTAAAGC
TGAAGCAGCAGTCCACTAAGGTGGAAGCCTTGCACCAGAATAGAGAGATGATAGACCCAGACAAGTTCTG
CAGCCTCTGCCATGCAACTTTCAACGACCCTGTCATGGCTCAACAACATTATGTGGGCAAGAAACACAGA
AAACAGGAGACCAAGCTCAAACTAATGGCACGCTATGGGCGGCTGGCGGACCCTGCTGTCACTGACTTTC
CAGCTGGAAAGGGCTACCCCTGCAAAACATGTAAGATAGTGCTGAACTCCATAGAACAGTACCAAGCTCA
TGTCAGCGGCTTCAAACACAAGAACCAGTCACCAAAAACAGTGGCATCATCCCTGGGCCAGATTCCAATG
CAAAGGCAACCCATTCAGAAAGACTCAACCACCTTGGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

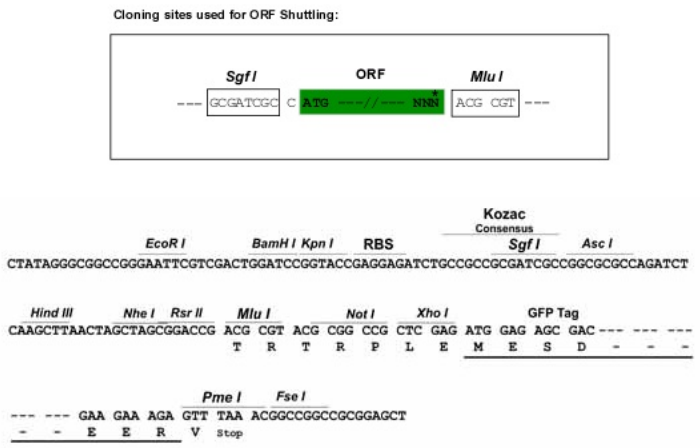
>RG202856 representing NM_012279
Red=Cloning site Green=Tags(s)

MEYPAPATVQAADGGAAGPYSSSELLEGQEPDGVRFDRERARRLWEAVSGAQPVGREEVEHMIQKNQCLF
TNTQCKVCCALLISESQKLAHYQSKKHANKVKRYLAIHGMETLKGETKKLDSDQKSSRSKDKNQCCPICN
MTFSSPVVAQSHYLGKTHAKNLKLKQQSTKVEALHQNREMIDPDKFCSLCHATFNDPVMAQQHYVGKKHR
KQETKLKLMARYGRLADPAVTDFPAGKGYPCKTCKIVLNSIEQYQAHVSGFKHKNQSPKTVASSLGQIPM
QRQPIQKDSTTLED

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012279

ORF Size: 882 bp

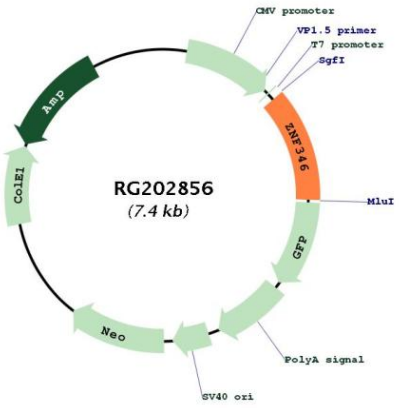
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
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
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 RG202856