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Product datasheet for RG234417

ZNF266 (NM_001271314) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF266 (NM_001271314) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF266
Synonyms:	HZF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG234417 representing NM_001271314
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGAGAACTACAAGAATTTGGCCACAGTAGGATATCAGCTCTTCAAACCCAGTCTGATCTCTTGGC
TGGAACAAGAAGAGTCTAGGACAGTGCAGAGAGGTGATTTCCAAGCTTCAGAATGGAAAGTGCAACTTAA
AACCAAAGAGTTAGCCCTTCAGCAGGATGTTTTGGGGGAGCCAACCTCCAGTGGGATTCAAATGATAGGA
AGCCACAACGGAGGGGAGGTCAGTGATGTTAAGCAATGTGGAGATGTCTCCAGTGAACACTCATGCCTTA
AGACACATGTGAGAACTCAAAATAGTGAGAACACATTTGAGTGTTATCTGTATGGAGTAGACTTCCTTAC
TCTGCACAAGAAAACCTCTACTGGAGAGCAACGTTCTGTATTTAGTCAGTGTGGAAAAGCCTTCAGCCTG
AACCCAGATGTTGTTTGCCAGAGAACGTGCACAGGAGAGAAAGCTTTTGATTGCAGTGACTCTGGGAAAT
CCTTCATTAATCATTCACACCTTCAGGGACATTTAAGAACTCACAATGGAGAAAGTCTCCATGAATGGAA
GGAATGTGGGAGAGGCTTTATTCACTCCACAGACCTTGCTGTGCGTATACAAACTCACAGGTCAGAAAAA
CCCTACAAATGTAAGGAATGTGGAAAAGGATTTAGATATTCTGCATACCTTAATATTCACATGGGAACCC
ACACTGGAGACAATCCCTATGAGTGTAAGGAGTGTGGGAAAGCCTTCACCAGGTCTTGTCAACTTACTCA
GCACAGAAAAACTCACACTGGAGAGAAACCTTATAAATGTAAGGATTGTGGGAGAGCCTTCACTGTTTCC
TCTTGCTTAAGTCAACATATGAAAATCCATGTGGGTGAGAAGCCTTATGAATGCAAGGAATGTGGGATAG
CCTTCACTAGATCTTCTCAACTTACTGAACATTTAAAAACTCACACTGCAAAGGATCCCTTTGAATGTAA
GATATGTGGAAAATCCTTTAGAAATTCCTCATGCCTCAGTGATCACTTTCGAATTCACACTGGAATAAAA
CCCTATAAATGTAAGGATTGTGGGAAAGCCTTCACTCAGAACTCAGACCTTACTAAGCATGCACGAACTC
ACAGTGGAGAGAGGCCCTATGAATGTAAGGAATGTGGAAAGGCCTTTGCCAGATCCTCTCGCCTTAGTGA
ACATACAAGAACTCACACTGGAGAGAAGCCTTTTGAATGTGTCAAATGTGGGAAAGCCTTTGCTATTTCT
TCAAATCTTAGTGGACATTTGAGAATTCACACTGGAGAGAAGCCCTTTGAGTGCCTGGAATGTGGTAAAG
CATTTACGCATTCCTCCAGTCTTAATAATCACATGCGGACCCACAGCGCCAAAAAACCATTCACGTGTAT
GGAATGTGGCAAAGCTTTTAAGTTTCCCACGTGTGTTAACCTTCACATGCGGATCCACACTGGAGAAAAA
CCCTACAAATGTAAACAGTGTGGGAAATCCTTCAGTTACTCCAATTCGTTTCAGTTACATGAACGAACTC
ACACTGGAGAGAAACCCTATGAATGTAAGGAGTGCGGGAAAGCCTTCAGTTCTTCCAGTTCCTTTCGAAA
TCATGAAAGAAGGCATGCGGATGAGAGACTGTCAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

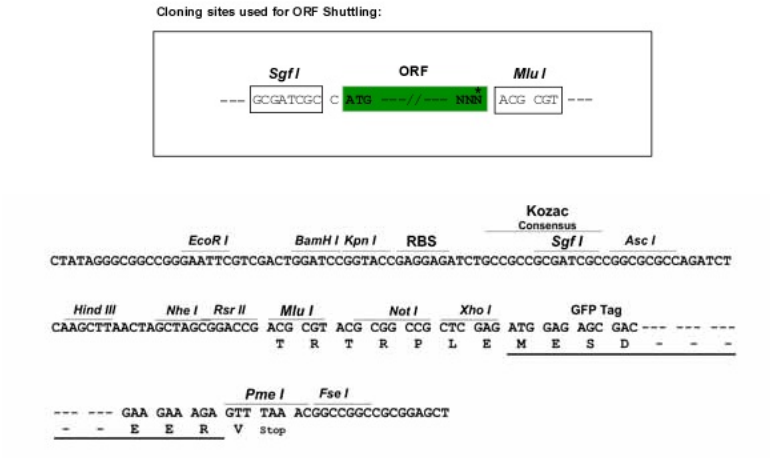
>RG234417 representing NM_001271314
Red=Cloning site Green=Tags(s)

MLENYKNLATVGYQLFKPSLISWLEQEESRTVQRGDFQASEWKVQLKTKELALQQDVLGEPTSSGIQMIG
SHNGGEVSDVKQCGDVSSEHSCLKTHVRTQNSENTFECYLYGVDFLTLHKKTSTGEQRSVFSQCGKAFSL
NPDVVCQRTCTGEKAFDCSDSGKSFINHSHLQGHLRTHNGESLHEWKECGRGFIHSTDLAVRIQTHRSEK
PYKCKECGKGFRYSAYLNIHMGTHTGDNPYECKECGKAFTRSCQLTQHRKTHTGEKPYKCKDCGRAFTVS
SCLSQHMKIHVGEKPYECKECGIAFTRSSQLTEHLKTHTAKDPFECKICGKSFRNSSCLSDHFRIHTGIK
PYKCKDCGKAFTQNSDLTKHARTHSGERPYECKECGKAFARSSRLSEHTRTHTGEKPFECVKCGKAFAIS
SNLSGHLRIHTGEKPFECLECGKAFTHSSSLNNHMRTHSAKKPFTCMECGKAFKFPTCVNLHMRIHTGEK
PYKCKQCGKSFSYSNSFQLHERTHTGEKPYECKECGKAFSSSSSFRNHERRHADERLSA

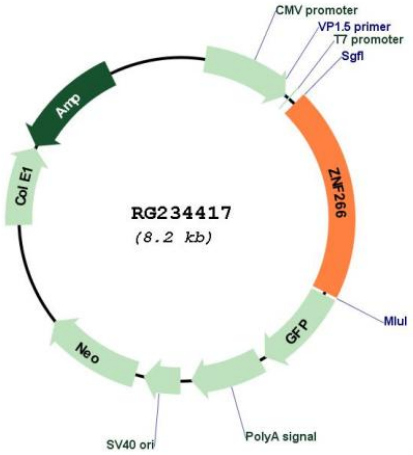
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001271314
ORF Size:	1647 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_001271314.1, NP_001258243.1
RefSeq Size:	3739 bp
RefSeq ORF:	1650 bp
Locus ID:	10781
UniProt ID:	Q14584
Cytogenetics:	19p13.2
Protein Families:	Transcription Factors
Gene Summary:	This gene encodes a protein containing many tandem zinc-finger motifs. Zinc fingers are protein or nucleic acid-binding domains, and may be involved in a variety of functions, including regulation of transcription. This gene is located in a cluster of similar genes encoding zinc finger proteins on chromosome 19. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Sep 2012]