

Product datasheet for **RG215779**

ZRANB2 (NM_203350) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZRANB2
Synonyms:	ZIS; ZIS1; ZIS2; ZNF265
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG215779 representing NM_203350
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGACCAAGAATTTCCGAGTCAGTGACGGGGACTGGATTTGCCCTGACAAAAATGTGGAAATGTAA
ACTTTGCTAGAAGAACCAGCTGTAATCGATGTGGTCGGGAGAAAACACTGAGGCCAAGATGATGAAAGC
TGGGGGCACTGAAATAGGAAAGACACTGCAGAAAAGAGCCGAGGCCTATTTAGTGCTAATGACTGGCAA
TGTAACCTTGACGAATGTGAATGGGCCAGAAGATCAGAGTGTAATATGTGTAATACTCCAAAGTATG
CTAAATTAGAAGAAAGAACAGGATATGGTGGTGGTTTTAATGAAAGAGAAAATGTTGAATATATAGAAAG
AGAAGAATCTGATGGTGAATATGATGAGTTTGACGTAAAAAGAAAAATACAGAGGGAAAGCAGTTGGT
CCTGCATCTATATTAAGGAAGTTGAAGATAAAGAATCAGAGGGAGAAGAAGAGGATGAGGATGAAGATC
TTTCTAAATATAAGTTAGATGAGGATGAGGATGAAGATGACGCTGATCTCTCAAATATAATCTTGATGC
CAGTGAAGAAGAAGATAGTAATAAAAGAAATCTAATAGACGAAGTCGCTCAAAGTCTCGATCTTCACAT
TCACGATCTTCATCAGCTCATCCTCCCCCTCAAGTTCAAGGTCTAGGTCCAGGTCCCGTTCAAGAAGTT
CTTCAGTTCGCAGTCAAGATCTCGTTCCAGTTCAGAGAAGTTCGAGATCTCGTGGGTCGAAATCAAG
ATCCAGCTCCAGGTCCACAGGGGCTCTTCTCCCCACGAAAAGATCTTATTCAGTTTCATCATCTTCT
CCTGAGAGGAACAGAAAGAGAAGTCGTTCTAGATCTTCTTCATCTGGTGATCGCAAAAAAGACGAACAA
GATCACGGTCACCCGAAAGACGCCACAGGTCATCATCTGGATCATCCATTCTGGTTCCCGTTCAAGTTC
AAAAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG215779 representing NM_203350

Red=Cloning site Green=Tags(s)

MSTKNFRVSDGDWICPDKKCGNVNFARRTSCNRCGREKTTEAKMMKAGGTEIGKTLAEKSRGLFSANDWQ
CKTCSNVNWARRSECNMCTPKYAKLEERTGYGGGFNERENVEYIEREESDGEYDEFGRKKKKYRGKAVG
PASILKEVEDKESEGEEDDEDL SKYKLDEDEDDADL SKYNLDASEEEDSNKKKSNRRSRKSRSSH
SRSSSRSSSPSSSRSRSRSSSSSSQSRSSSRERSRSGSKSRSSSRSHRGSSSPRKRSYSSSSSS
PERNRKRSRSSSSGDRKKRRTRSRSPERRHRSSSGSSHSGSRSSSKKK

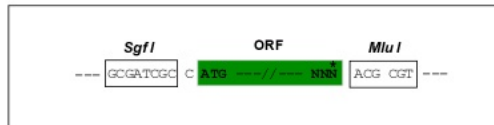
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGCTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGCCGCGGAGCT

- - E E R V Stop

ACCN:

NM_203350

ORF Size:

990 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_203350.3](#)

RefSeq Size: 2859 bp

RefSeq ORF: 993 bp

Locus ID: 9406

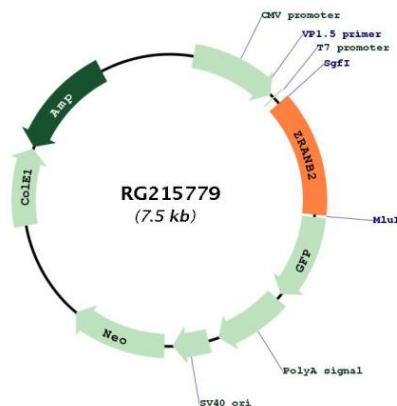
UniProt ID: [O95218](#)

Cytogenetics: 1p31.1

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: Splice factor required for alternative splicing of TRA2B/SFRS10 transcripts. May interfere with constitutive 5'-splice site selection.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG215779