OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC111110

ZRANB2 (NM_005455) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ZRANB2
Synonyms:	ZIS; ZIS1; ZIS2; ZNF265
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005455, the custom clone sequence may differ by one or more nucleotides

ATGTCGACCAAGAATTTCCGAGTCAGTGACGGGGACTGGATTTGCCCTGACAAAAAATGTGGAAATGTAA
ACTTTGCTAGAAGAACCAGCTGTAATCGATGTGGTCGGGAGAAAACAACTGAGGCCAAGATGATGAAAGC
TGGGGGCACTGAAATAGGAAAGACACTTGCAGAAAAGAGCCGAGGCCTATTTAGTGCTAATGACTGGCAA
TGTAAAACTTGCAGCAATGTGAATTGGGCCAGAAGATCAGAGTGTAATATGTGTAATACTCCAAAGTATG
CTAAATTAGAAGAAAGAACAGGATATGGTGGTGGTTTTAATGAAAGAGAAAATGTTGAATATATAGAAAG
AGAAGAATCTGATGGTGAATATGATGAGTTTGGACGTAAAAAGAAAAAATACAGAGGGAAAGCAGTTGGT
CCTGCATCTATATTAAAGGAAGTTGAAGATAAAGAATCAGAGGGAGAAGAAGAGGATGAGGATGAAGATC
TTTCTAAATATAAGTTAGATGAGGATGAGGATGAAGATGACGCTGATCTCTCAAAATATAATCTTGATGC
CAGTGAAGAAGAAGATAGTAATAAAAAGAAATCTAATAGACGAAGTCGCTCAAAGTCTCGATCTTCACAT
TCACGATCTTCATCACGCTCATCCTCCCCCTCAAGTTCAAGGTCTAGGTCCAGGTCCCGTTCAAGAAGTT
CTTCCAGTTCGCAGTCAAGATCTCGTTCCAGTTCCAGAGAACGTTCGAGATCTCGTGGGTCGAAATCAAG
ATCCAGCTCCAGGTCCCACAGGGGCTCTTCTTCCCCACGAAAAAGATCTTATTCAAGTTCATCATCTTCT
CCTGAGAGGAACAGAAAGAGAAGTCGTTCTAGATCTTCTTCATCTGGTGATCGCAAAAAAAGACGAACAA
GATCACGGTCACCCGAAAGCCAGGTGATTGGTGAAAACACTAAACAACCCTGA

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005455 unedited
NGGGTGCAAATTTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGAAGATG
TCGACCAAGAATTTCCGAGTCAGTGACGGGGACTGGATTTGCCCTGCAAAAAATGTGGAA
ATGTAAACTTTGCTAGAAGAACCAGCTGTAATCGATGTGGTCGGGAGAAAACAACTGAGG
CCAAGATGATGAAAGCTGGGGGCACTGAAATAGGAAAGACACTTGCAGAAAAGAGCCGAG
GCCTATTTAGTGCTAATGACTGGCAATGTAAAACTTGCAGCAATGTGAATTGGGCCAGAA
GATCAGAGTGTAATATGTGTAATACTCCAAAGTATGCTAAATTAGAAGAAAGAACAGGAT
ATGGTGGTGGTTTTAATGAAAGAGAAAATGTTGAATATATAGAAAGAGAAGAATCTGATG
GTGAATATGATGAGTTTGGACGTAAAAAGAAAAAATACAGAGGGAAAGCAGTTGGTCCTG
CATCTATATTAAAGGAAGTTGAAGATAAAGAATCAGAGGGAGAAGAAGAGGATGAGGATG
AAGATCTTTCTAAATATAAGTTAGATGAGGATGAGGATGAAGATGACGCTGATCTCTCAA
AATATAATCTTGATGCCAGTGAAGAAGAAGATAGTAATAAAAAGAAATCTAATAGACGAA
GTCGCTCAAAGTCTCGATCTTCACATTCACGATCTTCATCACGCTCATCCTNCCNNCTCA
GTTCAAGGTCTANGTCCAGGTCCCGTTCAAGAAGTCTTNCAGTTCGCAGTCAAGATCTCG
TTCCAGTTCCAGAGAACGTTCGAGATCTCGTGGGTCGAAATCAAGACCAGCTNCAGTNCC
ACAGGGGCTCTTNCTCCCCACGAAAAGATCTATNCAAGTCATCATCTCTCCTGAGAGGAC
AGAAGA

Restriction Sites: ECoRI-NOT

ACCN: NM_005455

Insert Size: 2750 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_005455.3, NP_005446.2

RefSeq Size: 2934 bp

RefSeq ORF: 963 bp

Locus ID: 9406

UniProt ID:	O95218
Cytogenetics:	1p31.1
Domains:	zf-RanBP
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] Transcript Variant: This variant (2) contains an alternate exon in the 3' coding region, which results in an early stop codon, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct N-terminus when it is compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.