

Product datasheet for **RC208012**

ZRANB2 (NM_005455) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZRANB2 (NM_005455) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZRANB2
Synonyms:	ZIS; ZIS1; ZIS2; ZNF265
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208012 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCGACCAAGAATTTCCGAGTCAGTGACGGGGACTGGATTTGCCCTGACAAAAATGTGGAATGTAA
ACTTTGCTAGAAGAACCAGCTGTAATCGATGTGGTCGGGAGAAAACAACCTGAGGCCAAGATGATGAAAGC
TGGGGGCACTGAAATAGGAAAGACACTTGCAGAAAAGAGCCGAGGCCTATTTAGTGCTAATGACTGGCAA
TGTA AAACTTGCAGCAATGTGAATTGGCCAGAAGATCAGAGTGAATATGTGTAATACTCCAAAGTATG
CTAAATTAGAAGAAAGAACAGGATATGGTGGTGGTTTTAATGAAAGAGAAAATGTTGAATATATAGAAAG
AGAAGAATCTGATGGTGAATATGATGAGTTGGACGTA AAAAGAAAAAATACAGAGGGAAAAGCAGTTGGT
CCTGCATCTATATAAAGGAAGTTGAAGATAAAGAATCAGAGGGAGAAGAAGAGGATGAGGATGAAGATC
TTTCTAAATATAAGTTAGATGAGGATGAGGATGAAGATGACGCTGATCTCTCAAAATATAATCTTGATGC
CAGTGAAGAAGAAGATAGTAATAAAAAGAAATCTAATAGACGAAGTCGCTCAAAGTCTGGATCTTCACAT
TCACGATCTTCATCAGCTCATCTCCCTCAAGTTCAGGTCTAGGTCCAGGTCCCCTCAAGAAAGTT
CTTCCAGTTCGCAGTCAAGATCTCGTCCAGTTCAGAGAAGTTCGAGATCTCGTGGTTCGAAATCAAG
ATCCAGTCCAGTCCCACAGGGGCTCTTCTCCACGAAAAAGATCTTATTCAAGTTCATCATCTTCT
CCTGAGAGAACAGAAAGAGAAGTCTTCTAGATCTTCTTCATCTGGTGCAGAAAAAAGACGAACAA
GATCACGGTACC CGAAAAGCCAGGTGATTGGTGAAAACACTAAACAACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC208012 protein sequence
Red=Cloning site Green=Tags(s)

MSTKNFRVSDGDWICPDKKCGNVNFARRTSCNRCGREKTTEAKMMKAGGTEIGKTLAEKSRGLFSANDWQ
 CKTCSNVNWARRSECNMCNTPKYAKLEERTGYGGGFNERENVEYIEREESDGEYDEFGRKKKKYRGKAVG
 PASILKEVEDKESEGEDEDEDL SKYKLD EDEDEDADL SKYNLDA SEEEDSNKKKSNRRSRKSGSSH
 SRSSSRSSSPSSSRSRSRSRSSSSSSQSRSSSRSRSRGSKSRSSSRSHRGSSSPRKRYSYSSSSSS
 PERNRKRSRSSSSGDRKKRRTRSRSPESQVIGENTKQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6509_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005455

ORF Size: 960 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_005455.5](#)

RefSeq Size: 3162 bp

RefSeq ORF: 963 bp

Locus ID: 9406

UniProt ID: [O95218](#)

Cytogenetics: 1p31.1

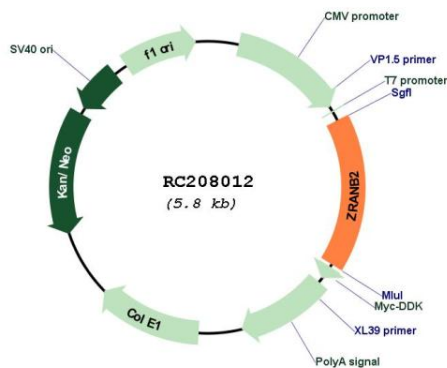
Domains: zf-RanBP

Protein Families: Druggable Genome, Transcription Factors

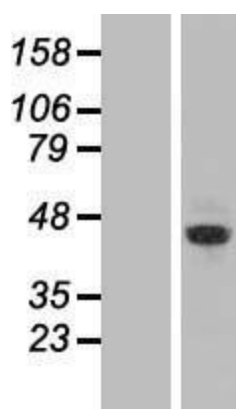
MW: 36.2 kDa

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 RC208012



Western blot validation of overexpression lysate (Cat# [LY417295]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208012 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).