

Product datasheet for SC333973

RANBP1 (NM 001278641) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: RANBP1 (NM_001278641) Human Untagged Clone

Tag:Tag FreeSymbol:RANBP1Synonyms:HTF9A

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

Fully Sequenced ORF: >SC333973 representing NM_001278641.

Blue=Insert sequence Red=Cloning site Green=Tag(s)

GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

AAGGAGGAGACCAAGGAGGATGCTGAGGAGAAGCAA<mark>TAA</mark>

ACGCGTACGCGCCCCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT

TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: Sgfl-Mlul



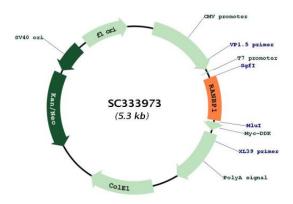
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Plasmid Map:



ACCN: NM_001278641

Insert Size: 453 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.

RefSeq: <u>NM 001278641.1</u>



RANBP1 (NM_001278641) Human Untagged Clone - SC333973

 RefSeq Size:
 1254 bp

 RefSeq ORF:
 453 bp

 Locus ID:
 5902

 Cytogenetics:
 22q11.21

MW: 22q11.21

Gene Summary: This gene encodes a protein that forms a complex with Ras-related nuclear protein (Ran) and

metabolizes guanoside triphosphate (GTP). This complex participates in the regulation of the cell cycle by controlling transport of proteins and nucleic acids into the nucleus. There are multiple pseudogenes for this gene on chromosomes 9, 12, 17, and X. Alternative splicing

results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (4) contains multiple differences, compared to variant 1. It initiates translation at a downstream in-frame start codon. The encoded isoform (4) is shorter

and has a distinct N-terminus, compared to isoform 1.