

Product datasheet for **SC334414**

RANBP1 (NM_001278640) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RANBP1 (NM_001278640) Human Untagged Clone
Tag:	Tag Free
Symbol:	RANBP1
Synonyms:	HTF9A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001278640, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCCCAAGGACACTCATGAGGACCATGATACTTCCACTGAGAATACAGACGAGTCCAACCATG
ACCCTCAGTTTGAGCCAATAGTTTCTTCTTCTGAGCAAGAAATTTAAACACTGGAAGAAGATGAAGAGGA
ACTTTTTAAAAATGCGGGCAAACTGTTCCGATTTGCCTCTGAGAACGATCTCCAGAATGGAAGGAGCGA
GGCACTGGTGACGTCAAGCTCCTGAAGCACAAGGAGAAAGGGCCATCCGCCTCCTCATGCGGAGGGACA
AGACCTGAAGATCTGTCCAACCACTACATCACGCCGATGATGGAGCTGAAGCCCAACGCAGGTAGCGA
CCGTGCCTGGGTCTGGAACACCCACGCTGACTTCGCCGACGAGTGCCCAAGCCAGAGCTGCTGGCCATC
CGCTTCTGAATGCTGAGAATGCACAGAAATTTCAAACAAGTTTGAAGAATGCAGAAAGAGATCGAAG
AGAGAGAAAAGAAAGGATCAGGCAAAAATGATCATGCCGAAAAAGTGCCGAAAAGCTAGAAAGCTCTCTC
GGTGAAGGAGGAGACCAAGGAGGATGCTGAGGAGAAGCAATAA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001278640
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: [NM_001278640.1](#), [NP_001265569.1](#)

RefSeq Size: 1134 bp

RefSeq ORF: 603 bp

Locus ID: 5902

UniProt ID: [P43487](#)

Cytogenetics: 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 (3) contains multiple differences, compared to variant 1. It initiates translation at an alternate start codon. The encoded isoform (3) is shorter and has a distinct N-terminus, compared to isoform 1.