

## Product datasheet for **SC127729**

### **RANBP1 (NM\_002882) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RANBP1 (NM_002882) Human Untagged Clone
Tag:	Tag Free
Symbol:	RANBP1
Synonyms:	HTF9A
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127729 sequence for NM_002882 edited (data generated by NextGen Sequencing) ATGGCGGCCCAAGGACACTCATGAGGACCATGATACTTCCACTGAGAATACAGACGAG TCCAACCATGACCCTCAGTTTGAGCCAATAGTTTCTTCTTCTGAGCAAGAAATTAACA CTGGAAGAAGATGAAGAGGAACTTTTAAATGCGGGCAAACTGTTCCGATTTGCCTCT GAGAACGATCTCCAGAAATGGAAGGAGCGAGGCACTGGTGACGTCAAGCTCCTGAAGCAC AAGGAGAAAGGGCCATCCGCCTCCTCATGCGGAGGGACAAGACCCTGAAGATCTGTGCC AACCACTACATCACGCCGATGATGGAGCTGAAGCCCAACGCAGGTAGCGACCGTGCCTGG GTCTGGAACACCCACGCTGACTTCGCCGACGAGTGCCCAAGCCAGAGCTGCTGGCCATC CGCTTCTGAATGCTGAGAATGCACAGAAATTCAAAACAAAGTTTGAAGAATGCAGGAAA GAGATCGAAGAGAGAGAAAAGAAAGCAGGATCAGGCAAAAATGATCATGCCGAAAAAGTG GCGGAAAAGCTAGAAGCTCTCTCGGTGAAGGAGGAGACCAAGGAGGATGCTGAGGAGAAG CAATAA  Clone variation with respect to NM_002882.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002882 unedited  TCGGATTTTGTAAATACGACTCACTATTAGGGCGGCCGGAATTCGCACGAGGGCCTCCTG  AGCCAATAAAGCTGTACTGGTTTTGAATCGCGGCGCGTTTCCCGCGCTGGGGTCAGGGG  TCGAGGTTTCGGGTCGTGGGGCGGAGGGAAGAGCGGGCGGGCGGGAGGCGCCGGCCGAG  CGCGGAGGGAAGGAGCTACGAGTAGCCGCCGAGAGGCGCGGAGCCAGCGACGACCGACC  CAGCCGAGCCCGCCGCGCCGCCGCCATGGCGGCCGCAAGGACACTCATGAGGAC  CATGATACTTCCACTGAGAATACAGACGAGTCCAACCATGACCCTCAGTTTGAGCCAATA  GTTTCTCTTCTGAGCAAGAAATTAACACTGGAAGAAGATGAAGAGGAACTTTTTAAA  ATGCGGGCAAACTGTTCCGATTGCTCTGAGAACGATCTCCAGAATGGAAGGAGCGA  GGCACTGGTGACGTCAAGCTCCTGAAGCACAAGGAGAAAGGGGCCATCCGCCTCCTCATG  CGGAGGGACAAGACCCTGAAGATCTGTGCCAACCCTACATCACGCCGATGATGGAGCTG  AAGCCCAACGCAGGTAGCGACCGTGCCTGNGTCTGGAACACCCACGCTGACTTCGCCGAC  GAGTGCCCAAGCCAGAGCTGCTGGCCATCCGCTTCTGAAATGCTGAGAATGCACAGATA  TTCAAAACANAGTTTAAAGATGCANGANAGAGATCGAAGAGAGATAAGAAAGCAGGA  TCAGGGCAAAATGATCATGCCNGNAAAAGTGCCGNNANAGCTAGAAGCTCTCTCGGTGAA  GGGAGAGACAAGGG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002882 unedited  CGGCCGAATCTAAAGTCGAGNNTTTTTTTTTTTTTTTTTTTTTTTTTTCCAGTTCCAAAT  GTGTTTTTATTCACTATTTTTGATGACTATAAATAAGTGTTCCTACTATGGAAAAAAA  GTTAGCACAGTACATTTTTCATGACTGGGAATGGATTTTCTGAAGTCATCTTCAATAGGG  CAAAAACCTAAAAACAAAAAACCCTGAATGTTGAGTTCAGTTCTTTATATAAC  GTCCTTGTAAAAATGAAAGAATAAAACCAACCCGAAAAAGAGGGGCAGGGTAAAAATTT  TTAAAAAAGGAAAGGAAAGAGAGGAAAAGAAAATAAAATAAGACGATTTATTGCTTCTC  CTCAGCATCCTCCTTGGTCTCCTCCTTACCGAAAGAGCTTCTAGCTTTTCCGCCACTTT  TTCGGCATGATCATTTTTGCCTGACCCTGCTTTCTTTCTCTCTTCAACCTCTTTCCT  GCATTTCTCAAATTTGTTTTGAATTTCTGTGCATTCTCAGCATTGAGGAAAGCGGATGGC  CAGCAGCTCTGGCTTGGGGCACTCGTCGGCGAAGTCAGCGTGGGTGTTCCAAACCCAGGC  ACGGTCGCTACCTGCGTGGGCTTCAGCTCCATCATCGGCGTGTAGTGGTTGGCACA  GATCTTCAGGGTCTTGTCCCTCGCATGAGGAGGGCGGATGGCCCCTTTTCTTGTGCTTCA  GAGCTTGACGNACCAAGTGCCTCGCTCCTCATTCTGGGAGATCGTTCTCAGAGGCAATCG  GACAGTTTGCCCGCATTTTAAAGTTCTCTCATCTTCTCCACGGTTTATTCTGCTCAGA  AGAGAACTATTGCTCAACTGAGGTCATGGNTGACTCCCTGATTCTAAGGAAGATCATGT  CTCATGATGTCCTTGCGCCCATGGGGCCCGCGGCGCGCTCCTTGGTCGGCCTCCTG  CTCCCGN</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002882
<b>Insert Size:</b>	950 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_002882.2](#), [NP\\_002873.1](#)

**RefSeq Size:** 884 bp

**RefSeq ORF:** 606 bp

**Locus ID:** 5902

**UniProt ID:** [P43487](#)

**Cytogenetics:** 22q11.21

**Domains:** Ran\_BP1

**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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct N-terminus, compared to isoform 1.