

Product datasheet for **RC236079**

RANBP1 (NM_001278641) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RANBP1 (NM_001278641) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RANBP1
Synonyms: HTF9A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236079 representing NM_001278641
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCGGGCAAAACTGTTCCGATTTGCCTCTGAGAACGATCTCCAGAATGGAAGGAGCGAGGCACTGGT
ACGTCAAGCTCCTGAAGCACAAGGAGAAAGGGCCATCCGCTCCTCATGCGGAGGACAAGACCCTGAA
GATCTGTGCCAACCACTACATCACGCCGATGATGGAGCTGAAGCCCAACGCAGGTAGCGACCGTGCCTGG
GCTGGAACACCCACGCTGACTTCGCCGACGAGTGCCCAAGCCAGAGCTGCTGGCCATCCGCTTCTGA
ATGCTGAGAATGCACAGAAATTCAAAACAAAGTTTGAAGAATGCAGGAAAAGAGATCGAAGAGAGAGAAAA
GAAAGGATCAGGCAAAAATGATCATGCCGAAAAGTGGCGGAAAAGCTAGAAGCTCTCTCGGTGAAGGAG
GAGACCAAGGAGGATGCTGAGGAGAAGCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236079 representing NM_001278641
Red=Cloning site Green=Tags(s)

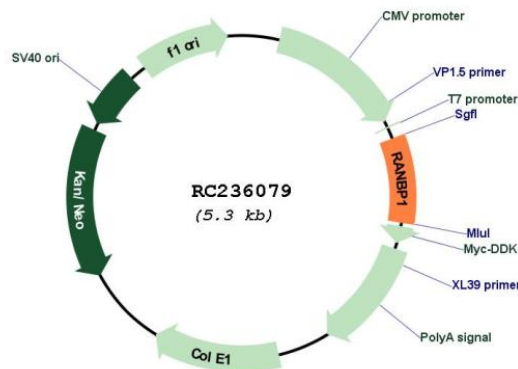
MRAKLFRFASENDLPEWKERGTGDVKKLLKHKEKGAIRLLMRRDKTLKICANHITPMMELKPNAGSDRAW
VWNTHADFADECPKPELLAIRFLNAENAQKFKTKFEECRKEIEEREKKGSGKNDHAEKVAEKLEALSVEK
ETKEDAEEKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001278641

ORF Size: 450 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:	<ol style="list-style-type: none">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_001278641.2</u>
RefSeq Size:	1254 bp
RefSeq ORF:	453 bp
Locus ID:	5902
Cytogenetics:	22q11.21
MW:	17.9 kDa
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]