

Product datasheet for **RG236520**

RANBP1 (NM_001278640) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RANBP1 (NM_001278640) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RANBP1
Synonyms: HTF9A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236520 representing NM_001278640.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGGCCGCCAAGGACACTCATGAGGACCATGATACTTCCACTGAGAATACAGACGAGTCCAACCAT
GACCCTCAGTTTGAGCCAATAGTTTCTCTTCTGAGCAAGAAATTAACACTGGAAGAAGATGAAGAG
GAACTTTTTAAATGCGGGCAAACACTGTTCCGATTTGCCCTGAGAACGATCTCCAGAATGGAAGGAG
CGAGGCACTGGTACGTCAAGCTCCTGAAGCACAAGGAGAAAGGGGCCATCCGCCTCCTCATGCGGAGG
GACAAGACCCTGAAGATCTGTGCCAACCACTACATCACGCCGATGATGGAGCTGAAGCCCAACGCAGGT
AGGCACCGTGCCTGGGTCTGGAACACCCACGCTGACTTCGCCGACGAGTGCCCAAGCCAGAGCTGCTG
GCCATCCGCTTCTGAATGCTGAGAATGCACAGAAATTCAAAACAAAGTTTGAAGAATGCAGGAAAGAG
ATCGAAGAGAGAGAAAAGAAAGGATCAGGCAAAAATGATCATGCCGAAAAAGTGCGGAAAAAGCTAGAA
GCTCTCTCGGTGAAGGAGGAGACCAAGGAGGATGCTGAGGAGAAGCAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236520
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAAAKDTHEDHDTSTENTDESNHDPQFEPVLSLPEQEIKTLEEEDEELFKMRAKLRFRASENDLPEWKE
RGTGDVLLKHKKEKGAIRLLMRRDKTLKICANHYITPMELKPNAGSDRAWVWNTHADFADECPKPELL
AIRFLNAENAKFKTKFEECRKEIEEREKKGSGKNDHAEKVAEKLEALSVKEETKEDAEKQ
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSPGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLSRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERY
```

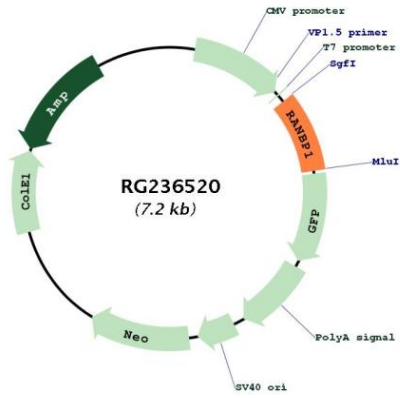
Restriction Sites: SgfI-MluI



Cloning Scheme:


- ACCN:** NM_001278640
- ORF Size:** 600 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).
- RefSeq:** [NM_001278640.2](#)
- RefSeq Size:** 1134 bp
- RefSeq ORF:** 603 bp
- Locus ID:** 5902
- UniProt ID:** [P43487](#)
- Cytogenetics:** 22q11.21
- MW:** 23.7 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]

Product images:



Circular map for RG236520