

Product datasheet for **RG212902**

RANBP9 (NM_005493) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RANBP9 (NM_005493) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RANBP9
Synonyms:	BPM-L; BPM90; RanBP7; RANBPM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG212902 representing NM_005493
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCGGGCAGCCGCCGCCGCCGCCGCCGAGCAGCAGCAACAGCAGCAGCAGCTGTCCGCCACCAGC
CGGCGGCCTTGGCCCCAGTCTCCGGAGTCGTCTGCCGGCGCCCCGGCGGTGAGCGCCGCTCTTCTCC
GGCCGGCTCGCCCGCGCGCGGTGCGGGCGGCAAGGCTTAGGGGCGCGCGGCCGCCCTGCTCCTCCAC
CCTCCGCCCGCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCGCCCTCCCTCCCTGCCT
CAGCGGCTGCCCGGCCAGCGGGCCGCCGCTCCCCGGGCTTGACGCGGGCCCGGCCCGGCTGGAGG
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GCCTGTGGGATTTATTATTTGAAGTAAAAATTGTCAGTAAGGGAAGAGATGGTTACATGGGAATTGGTC
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TGATGGACATTCGTTTTGTTCTTCTGGAAGTGGACAACCTTATGGACCACTTTCACTACTGGTGTATGC
ATTGGCTGTTGTGTTAATCTTATCAACAATACCTGCTTTTACACCAAGAATGGACATAGTTTAGGTATTG
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GCACAGATAGATCGATTTCCATCGGAGATCGAGAAGGAGAATGGCAGACCATGATACAAAAAATGGTTT
CATCTTATTTAGTCCACCATGGGTACTGTGCCACAGCAGAGGCCCTTGGCAGATCTACAGACCAGACCGT
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AGTGAACAGCTAAGGAGAGACTGTGGCAAGAACACTGCAAAACAAAAAATGTTGAAGGATGCATTAGTC
TACTAGCATATTCAGATCCCTGGAACAGCCAGTTGGAATCAGCTTGACCCGATTGAGAGAACTGT
GTGCTCAGCTCTAACAGTGAATATTAGAAACCCACAATCTGCCAAAGCAACCTCCACTTGCCTAGCA
ATGGGACAGGCCACACAATGTCTAGGACTGATGGCTCGATCAGGAATTGGATCCTGCGCATTGCCACAG
TGAAGACTACCTACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG212902 representing NM_005493
 Red=Cloning site Green=Tags(s)

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MSGQPPPPPPQQQQQQQLSPPPAALAPVSGVLPAPPAVSAGSSPAGSPGGGAGGEGLGAAAAALLH
PPPPPPATAAPPPPPPPPPASAAAPASGPPAPPGLAAGPGPAGGAPTPALVAGSSAAAPFPHGDSAL
NEQEKELQRRLKRLYPVDEQETPLPRSWSPKDKFSYIGLSQNNLRVHYKGHGKTPKDAASVRATHPIPA
ACGIYYFEVKIVSKGRDGYMGIGLSAQGVNMNRLPGWDKHSYGYHGDDGHSCSSGTGQPYGPTFTTGDV
IGCCVNLINNTCFYTKNGHSLGIAFTDLPPNLYPTVGLQTPGEVVDANFGQHPFVFDIEDYMREWRTKIQ
AQIDRFPIGDREGEWQTMIQKMVSSYL VHHGYCATAEAFARSTDQTVLEELASIKNRQRIQKLVLAGRMG
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GMNIHNLASGKGSTAHFSGFESCSNGVISNKAHQSYCHSNKHQSSNLPPELNSINMSRSQQVNNFTSND
VDMETDHSYNGVGETSSNGFLNGSSKHDHEMEDCDTEMEVDSSQLRRQLCGGSQAAIERMIHFRELQAM
SEQLRRDCGKNTANKMLKDAFSL LAYS DPWNSPVGNQLDPIQREPVCSALNSAILETHNLPKQPPLALA
MGQATQCLGLMARSIGISCA FATVEDYLH
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005493

ORF Size: 2187 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:

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_005493.3](#)

RefSeq Size: 3132 bp

RefSeq ORF: 2190 bp

Locus ID: 10048

UniProt ID: [Q96S59](#)

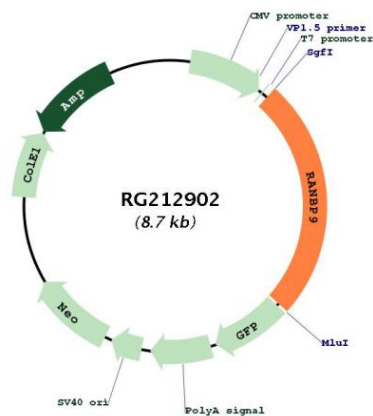
Cytogenetics: 6p23

Domains: SPRY, LisH, CTLH

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein that binds RAN, a small GTP binding protein belonging to the RAS superfamily that is essential for the translocation of RNA and proteins through the nuclear pore complex. The protein encoded by this gene has also been shown to interact with several other proteins, including met proto-oncogene, homeodomain interacting protein kinase 2, androgen receptor, and cyclin-dependent kinase 11. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG212902