

Product datasheet for **SC327040**

RANBP3L (NM_001161429) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RANBP3L (NM_001161429) Human Untagged Clone
Tag:	Tag Free
Symbol:	RANBP3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC327040 representing NM_001161429.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGACTACCATACCAAGAAAAGGCAGCAGCCACCTGCCTGGCAGTTTGCACACCTGTAACTGAAGCTG
CAGGAGGACCGGCGACAGCAAGAAAAATCTGTCATTGCTCAACCCATATTTGTTTTGAAAAGGGAGAA
CAAACTTTTTAAGAGACCTGCAGAAGACACCCTGTATGAAGCAGCAGAACCAGAATGTAATGGTTTTCCA
ACAAAGCGTGACGGTCTTCATCTTTTACTTTTTCATATTACAGATTCTCAGTCCCAGGGAGTGTAACC
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AGGAAAAACAATGTTTTATGACATCAGCTCTTGTGCAAGTAGTGTTGATATAAAGAGTGCTGAACAA
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GTCAACTTTTTAAGTTCAAGAACAGACTCTATTAATAATACTTCCTAATTGAATCAGCTGCTGCATTC
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CGCAATCAAGGCAGTCTAAGGCTGATCCTCAACAGCAAACTCTGGGCCCAATGAAGATTCAAAGAGCA
AACCACAAAAATGTACGAATAACAGCTACTGATTTAGAAGACTATAGCATCAAAATATTTTAATTCAG
GCCAGTGCCCAAGATACAGCATATTTGTATGCAGCAATACATCATCGTCTTGTGCACTTCAAAGCTTC
AATAAGCAGAGAGATGTCAATCAAGCTGAAAGCCTGTCAGAAACAGCCCAACAATTGAATGCGAAAGC
TGTGATGAGAATGAGGATGATTTTCATCAAGTCACTAAAATGGATCAGATCCTTCTAGTTGGACTCAC
AGACAGTCGGTTGCCTGTTCAAGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001161429

Insert Size: 1473 bp

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_001161429.2</u>
RefSeq Size:	4701 bp
RefSeq ORF:	1473 bp
Locus ID:	202151
UniProt ID:	<u>Q86VV4</u>
Cytogenetics:	5p13.2
MW:	54.9 kDa
Gene Summary:	Nuclear export factor for BMP-specific SMAD1/5/8 that plays a critical role in terminating BMP signaling and regulating mesenchymal stem cell differentiation by blocking osteoblast differentiation to promote myogenic differentiation. Directly recognizes dephosphorylated SMAD1/5/8 and mediates their nuclear export in a Ran-dependent manner.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.