

Product datasheet for **RN217799**

Ranbp2 (NM_001191604) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ranbp2 (NM_001191604) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ranbp2
Synonyms:	RGD1560047
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217799 representing NM_001191604 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGGCGCAGCAAGGCCGAGGTGGAGCGGTACATCGCCTCGGTGCAGGGCTCCGCCCGTCGCCCCGAG
AGAAGTCAATGAAAGGATTTTATTTTGC AAAGCTG TACTATGAAGCTAAAGAATATGATCTTGCCAAAA
ATACATTTCTACGTATATTAATGTGCAAGAGAGGGACCCTAAAGCCACAGATTTTGGGTCTTCTTTAT
GAAATTGAAGAAAATACAGACAAAGCTGTAGAATGTTATAAGCGTTCAGTGGAATTAACCCAACGCAAA
AAGATCTTGTGTTGAAGATTGCAGAATTGCTTTGTAAAAACGATGTGACCGATGGAAGAGCAAAGTACTG
GGTTGAGAGAGCGGCCAAACTGTTCCAGGAAGCCCTGCCATCTATAAGTTAAAGGAACAACTTTTAGAC
TGTAAGGTGAAGATGGATGGAATAAACTTTTACTTGATTCAATCAGAACTTTATGCAAGACCTGATG
ATGTTCAATGTAATATTCGACTAGTAGACTTTATCGTTCAAATAAAAGATTGAAGGATGCCGTGGCCCA
CTGCCATGAGGCAGACAGGAACATGGCTTTACGTTCAAGTTTGAATGGAATTCATGTGTTGTCCAGACT
CTTAAGGAATATCTGGAATCTCTGCAGTGTGGATTCTGATAAAAGTACTTGGAGAGCAACCAATAAAG
ACTTACTTCTAGCCTATTC AACCTTATGCTACTTACACTTTCCACCAGAGATGTGCAGGAAAGTAGAGA
GCTATTGGAGAGTTTGTAGTGTCTTTCAGTCTGTGAAATCTTCTGTGGGTGGAATGACGAGCTATCA
GCTACGTTCTAGAAACGAAAGGACATTTCTACATGCATGTTGGCTCTCTGCTTTTGAAGATGGGCAGC
AGAGTGACATCCAGTGCGAGCTCTTTCTGAGCTGGCTGCATTGTGCTATCTCATTGCATTTTCAGTTCC
AAGACCAAGGTTAAATTAATAAAAGGAGAAACTGGACAAAATCTACTGGAAATGATGGCCACGATCGC
CTTAGCCAGTCAGGCACATGTTGTTAACTTAAGTCGTGGCAAGCAAGACTTTCTGAAGGAAGTTGTGG
AATCTTTTGCTAACAAAAGTGGCCAGTCTGCTCTCTGTGATGCTCTGTTTCTAGTCAGTCATCCAAGGA
TAGATCTTTTCTGGTAACGATGATATTGAAAACCTGGATGGCAAGTACCAGACCTAGATGACTTGGCT
AGATATGATACTGGAGCTGTTTCGAGCACATAGTGGTAGTCTTCAGCACCTTACCTGGCTTGGCTTACAGT
GGAACCTACTGCCTACTTTACCAGCAATTCGAAAATGGTTAAAACAGCTCTTCCACCATTTCCTCAGGA
GACATCAAGGCTTGAACAAATGCACCTGAATCAATATGTATTTTAGATCTTGAAGTATTCTTACTCGGA
GTAATATATACCAGTCACTTACAAC TAAGGGAGAAGAGTAATTCTCACCACACTTCTATCAGCCATTGT



[View online >](#)

GTTTGCCACTTCCAGTGTGCAGACAGCTTTGTACAGAAAGACAGAAGTCCTGGTGGGATGCAGTTTGTAC
TCTGATTCACAGAAAGGCATTACCTGGAACCTCAGCAAAATTGCGACTTCTAGTTCAACGTGAAATAAAC
AGTCTGAGAGGCCAGGAAAAGCACGGCCTACAACCTGCTCTGCTTGTGCATTGGGCACAGAGTCTCAGA
AAACAGGCAGCAGTCTTAATTCTTTTTATGATCAACGGGAATACATAGGCAGAAGTGTTCATTATTGGAG
GAAAGTCTTACCATTGTTGAAGATGATCAGAAAAGAAGATAGTATTCTGAACTATTGATCCTCTGTTT
AAACATTTCCATAGTGTGGATATTCAGGTATCTGAAATGGCGAATATGAAGAAGATGCACACATAACTT
TTGCTATATTGGATGCTGTTAACGGAAACATAGAAGATGCCATGACTGCTTTTTGAATCTATTA AAAATGT
AGTTTCTTATTGGAATCTTGCACTGATTTTTTCACAGGAAAGCAGAAGATTTGAAAATGATGCCTTGCTCT
CCTGAAGAACAAGAAGAGTGCAAAAATTATCTGAGAAAGACTAGGGACTACCTGATAAAGATTTTAGATG
ATAGTGATTCAAATATTTCCGTGGTTCAGAAAATGGCTGTCCCCCTTGAGTCTGTAAAAGAGATGCTGAA
CTCAGTTATGCAGGAACCTGAAGACTACAGTGAAGGAGTACTCTTTATAAAAAATGGTTGCTTTCGAAGT
GCTGATTCAGAGTTAAAGCATTCAACACCATCTCCTACCAAAATTTCTCTATCACCAAGTAAAAGTTACA
AGTATTCGCCAAAAACACCCTCGATGGGCAGAAGATCAAAATCTTTATTGAAAATGATCTGCCAGCA
AGTAGAGGCCATTAAGAAAGAAATGCAGGAATTGAAGCTAAATAGCAACAATTCTGCATCCCCTCATCGC
TGGCCTGCAGAACATTACCGACAAGACCAGTTCTCTGATGGGTATCAGGGGTACAAAACCTTTTCATGGGG
CTCCACTAACAGTTGCAACTACTGGCCCTTCAGTATATTATAGTCAGTCACCTGCATATAAATCCCAGTA
TCTTCTCAGACCAGCAGTAATGTAACCTCCACAAAGGGTCCAGTTTATGGCATGAATAGGCTTCCACCT
CAACAACATATTTATGCATATTCACAACAGATGCACACACCACAGTGCAAAAGTTCATCTTCTTGTATGT
TCTCTCAGGAAATGTATGGTCTCCCTTGCCTTTTGTAGTCTCTGCAACAGGAATTTCTATCACCCAGGGG
TGATGATTACTTTAATTACAATGTTTCAGCAGACAAGCACAATCCACCTTTGCCAGAACCAGGGTATTTT
ACAAAGCCTCCACTTGTAGTCTATGCTTCAAGATCGGGAGAATCAAAGGTTATAGAATTTGAAAAATCCA
ATTTTGTTCAGCCATGCAGGGTGAAGTAATAAGGCCACCTTTGGCAACACCAGCACATAACAACACAGCC
AACTCCCTTTAAATTTAACTCAAATTTCAAATCAAATGACGGTGACTTTCACATTTTCATCACCACAGGTA
GTGACACAGTCTCCTTCAACAGCTTACAGTAACAGTGAAGTCTTTTAGTCTCCTGACCTCAGATAAAC
CTTTACAAGGAGATGGCTATAGTGGACTAAAACCAATATCAGCTCAAACCTGGTGGGTCTCGGAATACATT
CAGTTTTGGAAGCAAAAGTACACTTACAGAAAACATGGGCCAAAATCAGCAGAAAAATTTTGGTTTTCGT
CGAAGTGATGATATGTTTACTTTTACGGTCCAGGAAAGTCCATATTTACAACACCTACTTCAGAACTGG
CAAATAAAAGTCAAGAACAGATGGAGGAAGTGTCTCATGGAGATGAAGAGGATGATGGTCTCCTTTTGA
GCCTGTGGTACCTCTTCTGACAAGATAGAAGTAAAAACGGGTGAGGAAGATGAAGAAGAATTTCTTTTGC
AATCGTGCAAAGTTGTTCCGTTTTGATGGTGAATCCAAAGAATGGAAGGAACGTGGGATAGGCAATGTAA
AAATACTAAGGCACAAAACATCTGGTAAAATTCGCCTTCTGATGAGACGAGAGCAAGTATTAAGATCTG
TGCAAATCATTATATAAGCCCCGATATGAAACTGACACCAAAATGCTGGCTCAGATAGATCTTTTGTATGG
CATGCCCTTGATTATGCAGATGAATTGCCAAAACAGACAGCTTGAATTAGATTCAAAAACCTCTGAGG
AAGCAGCACTATTTAAGTGTAAATTTGAAGAGGCCAGAACATTTTAAAAGCCTTAGGAACAAATGCCTC
TACAGCAGCAATCATACTCTTGAATTTGCAAGAACCTGCAACTCAGGATAACAAGGACATTTGCAAAA
TCTGATGGTGGAACTTGAACCTTGAATTCAGATTGTAAGAAGGAAGGGCCTTTCTGGAATTGTAACA
GCTGCTCGTTTAAAGATGCTGCAACTGCTACGAAATGTGTATCATGCCAAAATACAAAACCAACGAATGG
CAAAGAGCTCCTAGGTTACCATTAGTTGAAAAATGGCTTTGCTTCTAAAACCTGGCCAGAAAAATGTTCAA
GATCGATTTGCATTGATGACTCAAATAAAGAAGGTCACTGGGATTGCAGTGTGTTTGTAGTAAGAACAAG
AACCCACTGTATCTAGGTGCATTGCATGTGAGAACACAAAGTCTGCTAACAAAAATGGGTCTTCTTTTGC
TCAAACCTCTTTCAAATTTGGCCAGGGAGATCTTTCTAAGTCTGCTGACAGTGAATTCAGGTCTGTGTTT
TCTAAAAAAGAAGGTGAGTGGGATTGCAGTATATGCCTAGTCCGAAATGAAGCAAGCTCTACAAAATGTG
TTGCTTGTGAGAACCCAGCAAAACAGGCTCCTGTCTCATCACCTGCTTCTTTTAAAGGCTGGCACTTCAGA
TGTAAGTAAAACCTCAAAGAGTGGATTTGATGACATGTTTGTAAAGAAGGACAGTGGGATTGTAGT
TTGTGCTCAGTGAGAAATGAAGCAAATGCTGTAAGTGTGTTGCTTGTGAGAAATCCAGTTAAACCCAGTT
CATCTACCACTGTTACAGTACTTCCCTCTTCAAGTTTGGTACCTCAGAGATGACTAAGCCTCCCAGGAG
TGGATTTGAGGGCATGTTCCGAAGAAGGAAGGACAATGGGATTGCAGCTTGTGTTTTGTCCGAAATGAA
GCAAGTGCTTCTCAATGTATTGCTTGTGAGAAATCAAATAAGCAGAATCAGCCTACATCTGCTGTATCAG
CTCCTGCCTCTTCAGAGACAAGCAAATCTCAAAGTGTGGTTTTGAAAGGCTTGTTTACCAGAAAAGGAGG
CGAGTGGGAGTGTACTGTTTGTCTGTACAAAATGAGAGCTTCTCCCTAAAATGTGTGCTTGTGATGCC
TCCAAGCCAACCTCATAAGCCTATTGAGAAAGCTCCTTCAGCTTTCACAGTGGGCTCAAAGTCACAGTTAA
ATGAATCTGCAGGAAGTCAAGTGGGAACAGAATTCAAAAGTAACTTTCCAGAAAAGAATTTTAAAGTTGG

CATATCAGAGCAGAAATTTAAATTTGGGCATGTGGATCAAGAAAAACACCCCTCCTTCACCTTTCAGGGT
TCTTCTAATACAGAATTTAAGTCAATCAAGGATGGATTTAGTTTTGCATTCTGTATCTGCTGATGGGT
TTAAGTTTGGCATTTCAGGAGAAGGGAAATCAAGAGAAGAAGAGTGAGAAACATCTTGAAATGATCCTGG
TTTCCAAGCTCATGATACTAGTGGTCAGAAGAATGGTAGTGGTGTGGTCTTTGGTCAGACAAGCAGCACC
TTCACCTTTGCAGATCTTGCAAAGTCAACTTCAAGAGAAGGATTTAGTTTGGCAAGAAAGACCCTAATT
TCAAGGGATTTTCAGGTGCAGGAGAAAAATTTCTCATCACAAGTGGCAAAGTGGTCAGAAAAGCAAA
TACTTCTGATCTTGAGAAAGATGACGATGCCTATAAGACCGAGGACAGCGATGACATCCATTTTGAACCA
GTAGTGCAGATGCCGAAAAAGTGGAACTTGTAAACAGGGGAAGAAGATGAAAAAGTTTTGTATTCTCAAA
GGGTGAAATTTAGATTTGATGCTGAGATAAGTCAGTGGAAAGAAAGAGGTTTGGGAACTTAAAAAT
TCTCAAAAATGAAGTCAATGGTAAACTAAGAATGCTGATGCGAAGAGAACAAGTACTAAAAGTTTGTGCC
AATCATTGGATAACCACTACGATGAACCTGAAGCCTCTCTCAGGGTCAGATAGAGCATGGATGTGGCTAG
CCAGTGATTTCTCAGATGGCGATGCTAAACTGGAACAATTGGCTGCAAAGTTTAAACGCCAGAAGTACG
TGAAGAATTCAGCAGAAATTTGAGGAGTGTCAAAGACTTCTCTTAGACATTCCACTTCAGACACCCCAT
AACTTGTAGATACTGGCAGGGCTGCTAAATTAATACAAAGAGCTGAGGAAATGAAGAGCGGACTGAAAG
ATTTCAAAACATTTTGGACAAATGATCAAGCAAAAGTACTGAGGAAGAGAACACAAGTTCAGGTGCAGA
TGCTTCCAGTGCCTCAGACACTACAGTCAAGCAAAACCCCTGATAACACTGGGCCCGCCTTGAATGGGAT
AACTATGACTTACGGGAAGACGCCTTGGATGACAGTGTGACGAGCAGCTCAGTTCATGCTTCTCCATTGG
CAAGCAGCCCTGTGCGGAAAAACCTCTTCCGCTTTGGTGAAGTCAACTACAGGATTTAACTTCAGTTTTAA
ATCTGCTCTGAGTCCATCTAAGTCTCCTGCCAAGTTGAACCAGAGTGGAACTTCAGTTGGCACTGATGAA
GAGTCTGATGTTACTCAAGAAGAAGAGAGAGATGGACAGTACTTTGAACCTGTTGTTCCCTTACCTGATC
TAATTTGAAGTATCCAGTGGTGGGAAAAATGAACAAGTTGTTTTAGTCACAGAGCAAAGCTTACAGATA
TGATAAAGATGTTGGTCAGTGGAAAGAAAGAGGCAATGGAGATATAAAAAATTTACAGAATTACGATAAT
AAACAGGTTTCGCATAGTATGAGAAGGGACAGGTATTAACAACTTTGTGCCAATCATAGGATAACTCCAG
ATATGACTTTGCAAACATGAAAAGGGACTGAAAAGAGTATGGGTGTGGACTGCATGTGATTTTGCAGATGG
AGAAAGAAAAATAGAACATTTAGCTGTTTAACTACAAGTGTTCAGACTCATTAAAGAAATTT
TTTGTGAAGCAAAAACAGCACAAAGAAAAAGATTGTTGATAACACCTCATGTTTCTCATCTGAGCACCC
CTAGAGAGTACCATGTGGCAAAATGCTATTGCTGTCTTAGAAGAAACCAAGAGAAAGGACAGATTT
AACTCAAGGAGATGAGGTAGTAGATACTCAAGGCTGGAGAAACATCTAGCACTTCTGAAACAACA
CCAAAAGCAGTAGTTTCTCCTCAAGTTTGTATTTGGCTCTGAATCTGTTAAAAGCATTTTTAGTAGTG
AAAAATCAAAGCCATTTGCATTTGGCAACAGTTCAGCCACTGGTCTTTGTTGGATTTAGTTTTAATGC
ACCTTTGAAAAATAGCAATAGTGAATAGTTCAATAGTCCAGAGTGGATCTGAAGGGAAAGTAGACCCCT
GACAAAGCGAGCTGCCACCGAACTCTGACATCAAGCAATCTTCTGATGGCAAAGTCAAGAAATCTATTG
CCTTTTCAAAGAGACCTCTTCAACGTTTAAAACACCAGAAAAGGCCCGAGAGAAGAATAAACCTGAAGA
TCCTCCCTCAGATACTGATATTCTCATTGTGTATGAACACTCCCACTCCTGAGCAGAAAAGCCCTTGCA
GAGAACTTCTGCTTCTTCAACTTTCTTTGTTATAAGAATAGGCCAGGTTATGTTAGTGAAGAAGAGG
AGGATGATGAAGATTTGAAATGGCCGTCAAGAACTTAAATGGAAACTCTATGTGGATGACTCAGAAAA
ACCATTGGAAGAAAACTAGCAGATAATGACAAAGAATGTGTTATTGTTGGGAGAAGAAGCCAACAGTT
GAAGAGAGAGCAAAAGCAGATACTTTAAGCTTCCGCCTACATTTTCTGTGGAGTCTGCAGTGACTG
ATGAGGACAATGGAAATGGGGAGGATTTTCAGTCAGAGCTTCGAAAGTTCAGGAAGCTCAGAAATCCCA
GAGTGAGAAAGTACTAACACAGTTGGTATTGAGCAGACAGGTGAGACTGAAGCAACAAACCCCGATGGC
TCTAAGTCTGAAGAACCCGATTCCGATACCAAACACAGTAGTCTATCTCCTGTCCCTGGGACTATGGACA
AGCCTGTAGATTTGTCCACTAAAAAAGAAACTGACATGGAATCCCAAGCCAAGGGGAAAGCAAGACTGT
TTGTTTGGATTTGGAAGTGGTACAGGCCTGTCTTTGCAGACTTGGCTTCAAGTAACTCTGGAGATTTT
GCTTTTGGTCTAAAGATAAAAAATTTCCAGTGGGCAAACTGGAGCAGCTGTGTTTGGAAACACAGTCTA
CAAGTAAAGATGGTGACGATGAAGATGGCAGTGTGAAGACGTAGTTCACAATGAGGACATCCACTTTGA
ACCCATAGTCTCCTTACCAGAGGTAGAAGTGAATCTGGAGAAGAAGATGAAGAAGTTTGTCAAAGAG
AGAGCCAACTTTATAGATGGGATAGAGATGTCAGTCAAGTGAAGGAGAGAGGATTTGGAGATATAAGA
TTCTTTGGCATTAGTGAAGAATTTATATCGGATCCTAATGAGAAGAGACCAAGTTTTTAAAGTGTGTGC
AAACCATGTTATACAAAGCCATGGAATTAACCTTTAAATTTTTCAAACAATGCTTTAGTTGGACT
GCCTCAGATTAAGTGTGGAGAAGCAAAAATAGAACAGCTTGCAGTGAAGTTTAAAGACAAGGAAATAA
CTGAGTGTTTTAAAGAAAAAATGAAGAATGTCAAAAAATAAATGAACTCCAGAATGGACAAGTATC
CCTTGCAGCGAATTATCTAAGGAGACCAATCCTGTGGTGTTTTTGATGTTTGTGTGGATGGTGAACCT

CTAGGACGGATAATCATGGAATTATTTTCAAATATTGTTCCCTCAAACCTGCTGAGAACTTCAGAGCATTAT
 GCACTGGAGAGAAGGGCTTTGGTTTTAAGAACTCCATTTTTACCAGAGTAGTTCAGATTTTATTTGCCA
 AGGAGGAGATATTACAAATACAATGGAACAGGAGGACAGTCCATTTATGGAGATAAATTTGACGATGAA
 AACTTTGATCTAAAACACACTGGTCCTGGCTTACTATCCATGGCCAATTGCGGCCAGAATACCAACAGTT
 CTCAGTTTTTTATAACACTGAAGAAAGCAGAACATTTGGACTTTAAGCATGTAGTGTGGGTTTGTAA
 GGATGGCATGGATACTGTGAGAAAGATTGAATCATTGGTTCTCCTAAAGGGTCTGTTAGTAGAAGAATT
 TGTATCACAGAATGTGGACAGCTATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001191604
- Insert Size:** 9267 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:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001191604.1](#), [NP_001178533.1](#)
- RefSeq Size:** 10277 bp
- RefSeq ORF:** 9267 bp
- Locus ID:** 294429
- Cytogenetics:** 20q11