

Product datasheet for **MC217908**

Ranbp10 (BC024698) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ranbp10 (BC024698) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ranbp10
Synonyms:	4432417N03Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC024698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAATTGGACTCTCAGCGCAAGGCGTTAATGAACAGACTGCCTGGTTGGGACAAGCATTCTATG
 GTTACCATGGCGATGATGGGCATTCTTCTGCTCCTCTGGGACAGGCCAGCCTTATGGTCCCACATTAC
 CACAGGGGATGTGATCGGCTGTTGTGTCAACCTCATCAATGGCACCTGTTCTACACCAAGAATGGCCAC
 AGCCTTGGTATCGCCTTACAGATCTCCCGGCCAACCTCTACCCCACTGTCGGCTACAGACACCTGGGG
 AGATTGTGGATGCCAACTTTGGGAGCAGCCCTTCTGTTGACATTGAGGACTATATGCGGGAGTGGCG
 TGCCAAAGTCCAGGGCACTGTGCACGGCTTTCCATAAGTGCCCGGCTTGGCGAGTGGCAGGCGGTGCTG
 CAGAACATGGTCTCGTCTTACCTGGTGCATCATGGGTATTGTTCCACAGCCACAGCTTTTGGCCGAATGA
 CTGAAACCCCGATTCCAGGAAGAGCAGGCATCCATAAAGAACAGACAAAAATCCAGAAGCTGGTGTGGA
 AGGCCGGTGGGTGAAGCCATTGAGACAACCCAGCGCTTCTACCCTGGGCTGCTGGAACATAATCCCAAC
 CTGCTCTTCATGCTCAAGTGTGACAGTTCGTGGAGATGGTGAACGGCACTGACAGTGGGTCCGACGCC
 TGAGTTCCCGAAGCCCCAAGTCCAGGACAGCTACCCTGGCTCCCCAGCCTCAGCCCCGACATGGCCC
 CAGTAGTTCATATACACAACACAGGAGCAGACAGTCCCAGCTGCAGCAATGGCGTGCATCCACCAAG
 AACAAACAGAACCACAGTAAATACCCCGCACCCAGCTCCTCCTCCTCGTCTCATCCTCCTGCTCCTCT
 CTTCCCGTCTCCGTCATTAATCTCCGAGTCCAACCTCAACAGACTCTACCAAGTCCCAGCCCCACAGCAG
 TACCAGTAACCAGGAGACCAGTATAGCGAGATGGAGATGGAGGCAGAGCACTATCCCAATGGTGTGCTG
 GAAAGCGTCTCCACGCGCATCGTCAATGGGGCTATAAGCATGACGACCTGCAGACAGATGAGTCCAGCA
 TGGACGACGGGCATCCACGGAGCAGCTGCGGGGGCAACCAGGCTGCCACAGAAAGGATCATCCTGTT
 TGGCCGAGAGCTGCAGGCATTGAGCGAGCAGCTGGGCCGGGAGTACGGCAAGAAGTGGCCACACGGAG
 ATGCTGCAGGATGCCTTTAGCCTACTAGCATACTCAGACCCTGGAGCTGCCAGTAGGTATCAGCTTG
 ATCCCATCCAGAGAGAGCCCGTGTGTGCTGCTCTCAACAGCGCCATTTTAGAGTCTCAGAACCTGCCAAA
 GCAGCCTCCTTTGATGCTCGCCCTGGGCCAGGCATCTGAATGTCTACGGCTCATGGCCGAGCAGGCCTG
 GGATCTTGCTCCTTTGCCAGAGTCGATGACTACTTGCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC024698

Insert Size: 1512 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).

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: [BC024698](#), [AAH24698](#)

RefSeq Size: 5169 bp

RefSeq ORF: 1511 bp

Locus ID: 74334

Cytogenetics: 8 D3

Gene Summary: May act as an adapter protein to couple membrane receptors to intracellular signaling pathways (Probable). Core component of the CTLH E3 ubiquitin-protein ligase complex that selectively accepts ubiquitin from UBE2H and mediates ubiquitination and subsequent proteasomal degradation of the transcription factor HBP1 (By similarity). Enhances dihydrotestosterone-induced transactivation activity of AR, as well as dexamethasone-induced transactivation activity of NR3C1, but does not affect estrogen-induced transactivation (By similarity). Acts as a guanine nucleotide exchange factor (GEF) for RAN GTPase (PubMed:18347012). May play an essential role in hemostasis and in maintaining microtubule dynamics with respect to both platelet shape and function (PubMed:19801445). [UniProtKB/Swiss-Prot Function]