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Product datasheet for MC209313

Renbp (NM_023132) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Renbp (NM_023132) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Renbp
Synonyms:	Age; Rnbp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC209313 representing NM_023132 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGATGGACCTAGGACTCCTAATGTTACAGGACATGGAGAAGGAACGGGAGACACTGCAGGTCTGGAAGA AGCGTGTGGAACAAGAGCTTGATCGTGTGATCGCTTTCTGGATGGAGCATTCCCATGACCAGGAACACGG GGGCTTCTTCACATGTCTTGGCCGTGATGGGAAGGTATATGATCACCTCAAATATGTTTGGCTGCAGGGG AGGCAGGTATGGATGTATTGTCGCTTATACCGCAGTTTTGAGCGCTTCCGCCGTGTTGAGCTTCTGGATG CAGCAAGAGCAGGTGGTGAATTTTTGCTGCGTTATGCCCGGGTGGCACCACCTGGCAAGAAATGTGCTTT TGTGCTGACTCGGGATGGCCGGCCAGTGAAGGTGCAGCGGACCATTTTCAGCGAGTGCTTCTACACCATG GCCATGAATGAACTGTGGAAAGTAACGGGGGAAGTGCGTTATCAGAGTGAAGCCATAGAGATGATGGATC AGATCATCCACTGGGTACGGGAGGACCCGGCTGGGTTGGGCCGGCCTCAGCTCTCAGGGGCACTGGCCAC AGAGCCCATGGCAGTGCCCATGATGCTGCTCAGCCTGGTGGAGCAGCTTGGAGAAGAAGATGAGGAGCTG ACCAACATGTATGCAGAACTAGGGGACTGGTGTGTCCACAGGATTCTTCAGCATGTCCAGAGGGATGGAC AAGTTGTACTGGAGAATGTATCAGAGGATGGAAAAGAGCTTCCTGGTTGCCTTGGAAGACATCAGAACCC AGGCCACACACTGGAAGCTGGCTGGTTTCTGCTCCAGTATGCCCTCAGGAAAGGTGACCCCAAACTTCGA ATGCACATCATTGACAAGTTTCTCTTATTGCCTTTCCACTCTGGATGGGACCCTGAACATGGAGGCCTCT TCTACTTCCAGGATGCGGATGGTCTCTGCCCTACCCAGCTGGAATGGAACATGAAGCTGTGGTGGCCACA CAGTGAAGCCATGATTGCCTTCCTCATGGGTTATAGTGACAGTGGGGACCCTGCCTTGCTGCATCTCTTC TACAAGGTGGCTGAGTACACCTTCCGCCAGTTTCGTGATCCTGAGTATGGGGAATGGTTTGGCTACCTGA ACCAAGAGGGAAAGGTGGCCCTCACCATCAAGGGAGGTCCTTTTAAAGGCTGCTTCCATGTGCCGCGGTG CCTGGCCATGTGCGAGCAGATTCTAGGAGCCCTACTCCAACGCCTTGAGCCCGCCCCCCTCGACTCCTCG CCCGCTGTCTCTACCCATGAAGGCTCGAAATAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

View online »

Restriction Sites:	SgfI-MluI
ACCN:	NM_023132
Insert Size:	1293 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:	NM_023132.3, NP_075621.3
RefSeq Size:	1434 bp
RefSeq ORF:	1293 bp
Locus ID:	19703
UniProt ID:	P82343
Cytogenetics:	X 37.49 cM
Gene Summary:	Catalyzes the interconversion of N-acetylglucosamine to N-acetylmannosamine. Binds to renin forming a protein complex called high molecular weight (HMW) renin and inhibits renin activity. Involved in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by the available transcript data. The updated start codon, which adds 1 aa to the protein, is only conserved in mouse and rat, and it has a weak Kozak signal. It is possible that ribosomal leaky scanning may allow the better conserved downstream start codon to be used some of the time. There is no experimental evidence indicating which start codon is preferentially used in vivo.