

## Product datasheet for MC210108

### Necab3 (NM\_021546) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Necab3 (NM_021546) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Necab3
Synonyms:	2900010M17Rik; AI853434; Apba2bp; Nip1; XB51
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210108 representing NM_021546 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCGTGCGCCGGGCTGCTTACTGTGTGCCTGCTCGGGCCACCTGCGCCCCAGCAGCCGCGACTCTG  
CGCCTGCCGCGGGACACGCGCTTTCCAGGACGTTTTCCGAAGAGCAGACAAAAATGATGATGGTAAAGT  
CTCGTTTGAAGAATCCAGAATTACTTTGCTGATGGGGTTCTCAGCTCTGCGGAGCTGCGGGAAGTTC  
AGCGGCATCGATGATCATCTCACTGACAATTTAGAGACAGAGAACTGTGTGACTACTTCTCCACACACC  
TGGGTGTCTACCGGCCGTGCTGGCTGCGCTGGAGTCTCTGAACCGTGGGTGCTCACTGCCATGGACAC  
TACAAAGCTGGAGTATGAACAGGCCTCCAAGGTGGACCAGTTTGTACACGATTTCTGCTGCGGGAGACT  
GTCAATCAGCTACAAGCCCTGCAGACCTCCCTGGAGGGAGCATCAGACACCCTGGAGGCGCAGGCCCATG  
GCCAGCGGTTGGATGAAGAACTATCAAAGCGCAGAGTAGGCCCTGTGGCAGCCGGAGGGCAGGACGCAG  
AGCCCTAAGGAGCATCAGTTGGTCACCATCCTGGTCTCCTGGATCCTCTGATACAGGGCGGAGTTTCAGAG  
GCTGAGCAGCAGTGGCGGCTACAGGTCAACCGCTCCAGGAGCTCATAGACCAGCTTGAGTGAAGGCAC  
CCCGGCTGGAACCCACACATGAGGAGGACCTACCAAGGGGTTGACTCGCACATCCTTGTGGCGCAGAG  
GCAAGTGCAGGTGGCAGAGGATGCCCTGCAGGATTTTCATCGTGCTTTGTGCTGCTACATGAACTTCACA  
GGGGCCAAAGCCATTGTCTGCATGTGTCTGCCAGAAGATGCTAGACAATGCTGCTTTACCCTGTATG  
AGTTCTGGCAGGATGAAGCCTCCTGGAGAAGGCACCAGCAGTCAACCTGCAGCAAGGCCTCCAGCGCAC  
CCTCATCGATCACCTGCAGGCCCGGACTCTCACCCTGTGTTCTTCCAGCCTCCTGGTGGATTATG  
AATAA**ACTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_021546
<b>Insert Size:</b>	1062 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_021546.3</a></u> , <u><a href="#">NP_067521.2</a></u>
<b>RefSeq Size:</b>	1810 bp
<b>RefSeq ORF:</b>	1062 bp
<b>Locus ID:</b>	56846
<b>UniProt ID:</b>	<u><a href="#">Q9D6J4</a></u>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Inhibits the interaction of APBA2 with amyloid-beta precursor protein (APP), and hence allows formation of amyloid-beta (By similarity). May enhance the activity of HIF1A and thus promote glycolysis under normoxic conditions; the function requires its ABM domain and may implicate the stabilization of the interaction between HIF1AN and APBA3 (By similarity). [UniProtKB/Swiss-Prot Function]