

Product datasheet for MC212297

Necab2 (NM_054095) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Necab2 (NM_054095) Mouse Untagged Clone
Tag: Tag Free
Symbol: Necab2
Synonyms: Efcbp2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212297 representing NM_054095
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGCGAGCGGGCGCGCCCTGTGCAGGGCCGGCGCGCACAGGCTGCTCCGGGAGCCGCCCGCCGAGG
 GCCGCGCGCTGGGCGGGTGTGCGCTGGGTGGGCGCCAGGATGGGGGAACCCCGTGCACCGCTCGTCCC
 CGACATCCCTCCGCGGACCCCGGCCCGGCCCGCCGATCGCGAGGGGGCACAGCCGTCATCCTGGAC
 ATTTTCCGCCGCGCCGATAAAAAATGATGATGGGAAGCTGTCCCTGGAGGAGTTTCAACTTCTTTCGCAG
 ATGGCGTCTTAATGAGAAGGAGCTGGAGGGCCTCTCCATACCATCGATTGAGCAACACCAACCACGT
 GGACACCAAGGAACTGTGTGACTACTTTGTGGAGCACATGGGAGACTATGAAGATGTCCTGGCCTCCCTG
 GAGACTTTGAACCACTCAGTCTGAAGGCCATGGGCTACACTAAGAAGGTGTATGAAGGTGGGAGCAATG
 TGGACCAAGTTGTGACACGCTTCCTTCTGAAGGAGACAGCCAATCAGATCCAGTCGCTGCTCAGCTCTGT
 GGAAAGTGCTGTAGAAGCCATCGAAGAACAGACCAGCCAGATCCGACAGGACCACTGCAAACCCAGCCAT
 GCCGTCAACGAGAGCCGCTACGGAGGCCCTACTCCTCCCTACATCCCAACCAAGCTTGTGGCCCCGG
 AGCCGATGAAGAGCCTGCCTGTGGCCACAGGGGAGCCAAAGGAGGATGGGCTGGAGGGCCAGATAAGCCG
 GTTGGCAGAGCTGATTGGGAGACTGGAGAGCAAGACCCTCTCGTTTGACCTGCAACAGCGCCTCTCGGAT
 GAAGAAGGCACCAACATGCACCTGCAGCTGGTCCGGCAGGAAATGGCCGTGTGCCCTGAGCAGCTGAGTG
 AGTTCTTGGATTCCCTGAGACAGTACCTCCGGAGCACGGCTGAAGAAAGGAACTGCTTCCATGTTGCCGC
 AGTGAGGATGGCAGATGGCCTAACCTTCGTCATCTACGAGTTCTGGGAGACAGAGGAGGAGTGGAAGAGG
 CACCTGCAGAGCCCTGTGTGCAAGGCCCTCCGACACGTCAAGGTTGACACGCTGAGCCAGCCTGAAGCAC
 TCTCCAGATCTCCGTGCCAGCTGCCTGGTGCACCTCTGGCCGAGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_054095
Insert Size:	1170 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:	<ol style="list-style-type: none">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_054095.2</u> , <u>NP_473436.1</u>
RefSeq Size:	1971 bp
RefSeq ORF:	1170 bp
Locus ID:	117148
UniProt ID:	<u>Q91ZP9</u>
Cytogenetics:	8 E1
Gene Summary:	May act as a signaling scaffold protein that senses intracellular calcium. Can modulate ligand-induced internalization of ADORA2A and coupling efficiency of mGluR5/GRM5; for both receptors may regulate signaling activity such as promoting MAPK1/3 (ERK1/2) activation. [UniProtKB/Swiss-Prot Function]