

Product datasheet for MR227341

Rapsn (NM_009023) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rapsn (NM_009023) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rapsn
Synonyms: 43kDa; Nraps; Raps; rapsyn
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR227341 representing NM_009023
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGCAGGACCAGACAAAGCAACAGATTGAAAAGGACTGCAGCTGTACCAGTCCAACCAGACAGAGA
 AGGCACTGCAGGTGTGGATGAAGGTGCTGGAGAAGGGCTCTGACCTCGTGGGCCGCTTCCGGTACTGGG
 CTGCTTGGTAACAGCTCACTCGGAGATGGGCCGCTACAAAGAGATGCTGAAGTTTGCCGTGGTCCAGATT
 GATACTGCTCGGGACTGGAGGATGCTGACTTCTGCTCGAAAGCTACCTGAACCTGGCGCGCAGCAATG
 AGAAGCTATGTGAGTTCCACAAAACCATCTCCTACTGCAAGACCTGCCTCGCCTGCCTGGCACCAGGGC
 TGGTGCCAGCTTGGGGTCAAGTCAAGCTGAGCATGGGCAATGCTTTCCTGGGCCTCAGCCTCTTCCAG
 AAGGCCCTGGAGAGCTTTGAGAAGGCCCTGCGCTATGCCACAACAACGATGACACCATGCTGGAGTGCC
 GTGTCTGCTGCAGCCTGGGCAGTTTCTACGCCAGGTCAAGGACTATGAGAAAGCCCTGTTCTTTCCCTG
 CAAGGCTGCAGAGCTTGTCAACGACTATGGCAAAGGCTGGAGCCTCAAATATCGGGCCATGAGCCAGTAC
 CACATGGCTGTGGCCTACCGCTGCTGGGCCACCTGGGCAGTGCCATGGAGTGTTGTGAGGAGTCCATGA
 AGATTGCCCTGCAGCACGGTGACCGCCGCTACAGGCACTCTGTCTGCTCTGCTTTGCCGATATCCATCG
 GAGCCGAGGGGACCTGGAGACAGCCTTCCCTCGGTACGACTCCGCTATGAGCATCATGACTGAGATCGGA
 AACCGCCTCGGGCAGGTGCACGTGCTGCTGGGTGTCGCAAGTGGTGGATGGCCGAAGGTGCAAGACA
 AGGCTTTGGATGCCATTGAGAAAGCCAGGACTTAGCTGAAGAGTTGGCAATAAGCTGAGCCAGCTCAA
 GCTGCATTGCCTGAGTGAGAGCATCTACCGCAGCAAAGGGCTGCAGCGTGAAGTGCACACGACGTAGTG
 AGGTTCCACGAGTGCGTGGAGGAGACTGAGCTCTACTGCGCCTCTGTGGTGAAGTCCATCGGGGAGAGGA
 ACAGCCGGCTGCAGGCCCTGCCCTGCTCCACATCTTTCATCTCAGATGCCTGCAAAACAATGGCACTAG
 GAGCTGCCCAACTGCCCGCTCTCCATGAAGCCGGGCTTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009023

ORF Size: 1236 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_009023.3](#), [NP_033049.2](#)

RefSeq Size: 1620 bp

RefSeq ORF: 1239 bp

Locus ID: 19400

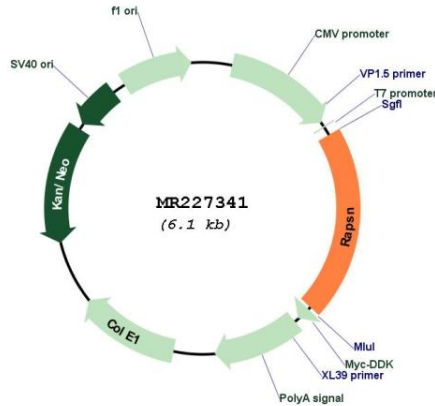
UniProt ID: [P12672](#)

Cytogenetics: 2 50.44 cM

MW: 46.8 kDa

Gene Summary: Postsynaptic protein required for clustering of nicotinic acetylcholine receptors (nAChRs) at the neuromuscular junction. It may link the receptor to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227341