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Product datasheet for SC303569

Rapsyn (RAPSN) (NM_005055) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rapsyn (RAPSN) (NM_005055) Human Untagged Clone
Tag:	Tag Free
Symbol:	Rapsyn
Synonyms:	CMS4C; CMS11; FADS; FADS2; RAPSYN; RNF205
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005055 edited ATGGGGCAGGACCAGACCAAGAAGCAGATCGAGAAGGGGCTCCAGCTGTACCAGTCCAAC CAGACAGAGAAGGCATTGCAGGTGTGGACAAAGGTGCTGGAGAAGAGCTCGGACCTCATG GGGCGCTTCCGCGTGCTGGGCTGCCTGGTCACAGCCCACTCGGAGATGGGCCGCTACAAG GAGATGCTGAAGTTCGCTGTGGTCCAGATCGACACGGCCCGGGAGCTGGAGGATGCCGAC TTCCTCCTGGAGAGCTACCTGAACCTGGCACGCAGCAACGAGAAGCTGTGCGAGTTTCAC AAGACCATCTCCTACTGCAAGACCTGCCTTGGGCTGCCTGGTACCAGGGCAGGTGCCCAG CTCGGAGGCCAGGTCAGCCTGAGCATGGGCAATGCCTTCCTGGGCCTCAGCGTCTTCCAG AAGGCCCTGGAGAGCTTCGAGAAGGCCCTGCGCTATGCCCACAACAATGATGACGCCATG CTCGAGTGCCGCGTGTGCTGCAGCCTGGGCAGCTTCTATGCCCAGGTCAAGGACTACGAG AAAGCCCTGTTCTTCCCCTGCAAGGCGGCAGAGCTTGTCAACAACTATGGCAAAGGCTGG AGCCTGAAGTACCGGGCCATGAGCCAGTACCACATGGCCGTGGCCTATCGCCTGCTGGGC CGCCTGGGCAGTGCCATGGAGTGTTGTGAGGAGTCTATGAAGATCGCGCTGCAGCACGGG GACCGGCCACTGCAGGCGCTCTGCCTGCTCTGCTTCGCTGACATCCACCGGAGCCGTGGG GACCTGGAGACAGCCTTCCCCAGGTACGACTCCGCCATGAGCATCATGACCGAGATCGGA AACCGCCTGGGGCAGGTGCAGGCGCTGCTGGGTGTGGCCAAGTGCTGGGTGGCCAGGAAG GCGCTGGACAAGGCTCTGGATGCCATCGAGAGAGCCCAGGATCTGGCCGAGGAGGTGGGG AACAAGCTGAGCCAGCTCAAGCTGCACTGTCTGAGCGAGAGCATTTACCGCAGCAAAGGG CTGCAGCGGGAACTGCGGGCGCACGTTGTGAGGTTCCACGAGTGCGTGGAGGAGACGGAG CTCTACTGCGGCCTGTGCGGCGAGTCCATAGGCGAGAAGAACAGCCGGCTGCAGGCCCTA CCTTGCTCCCACATCTTCCACCTCAGGTGCCTGCAGAACAACGGGACCCGGAGCTGTCCC AACTGCCGCCGCTCATCCATGAAGCCTGGCTTTGTATGA
Restriction Sites:	Please inquire
ACCN:	NM_005055
Insert Size:	1239 bp

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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).
OTI Annotation:	This clone was fully sequenced and its ORF matches with NM_005055.3. There is a SNP in the ORF.
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_005055.3, NP_005046.2
RefSeq Size:	1664 bp
RefSeq ORF:	1239 bp
Locus ID:	5913
UniProt ID:	Q13702
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of a family of proteins that are receptor associated proteins of the synapse. The encoded protein contains a conserved cAMP-dependent protein kinase phosphorylation site, and plays a critical role in clustering and anchoring nicotinic acetylcholine receptors at synaptic sites by linking the receptors to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin. Mutations in this gene may play a role in postsynaptic congenital myasthenic syndromes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2011] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.