

Product datasheet for **RC222710L4V**

Rapsyn (RAPSN) (NM_005055) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rapsyn (RAPSN) (NM_005055) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Rapsyn
Synonyms:	CMS4C; CMS11; FADS; FADS2; RAPSYN; RNF205
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005055
ORF Size:	1236 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222710).
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.
RefSeq:	NM_005055.3
RefSeq Size:	1664 bp
RefSeq ORF:	1239 bp
Locus ID:	5913
UniProt ID:	Q13702
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome
MW:	46.1 kDa



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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]