

Product datasheet for RC201113L3

OriGene Technologies, Inc.

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Rapsyn (RAPSN) (NM_032645) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Rapsyn (RAPSN) (NM_032645) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Rapsyn

Synonyms: CMS4C; CMS11; FADS; FADS2; RAPSYN; RNF205

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

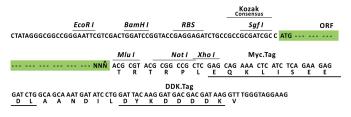
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201113).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_032645

ORF Size: 1059 bp





Rapsyn (RAPSN) (NM_032645) Human Tagged Lenti ORF Clone - RC201113L3

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: <u>NM 032645.3</u>

 RefSeq Size:
 1494 bp

 RefSeq ORF:
 1062 bp

 Locus ID:
 5913

UniProt ID: Q13702
Cytogenetics: 11p11.2

Protein Families: Druggable Genome

MW: 39.9 kDa

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]