

Product datasheet for RC214922L3

OriGene Technologies, Inc.

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Synaptopodin (SYNPO) (NM_007286) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Synaptopodin (SYNPO) (NM 007286) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Synaptopodin

Mammalian Cell Puromycin

Selection:

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

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

ORF Nucleotide

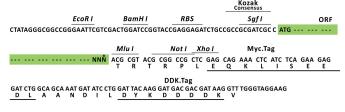
The ORF insert of this clone is exactly the same as(RC214922).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_007286 **ORF Size:** 2709 bp





Synaptopodin (SYNPO) (NM_007286) Human Tagged Lenti ORF Clone - RC214922L3

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 007286.3</u>

 RefSeq Size:
 3524 bp

 RefSeq ORF:
 2712 bp

 Locus ID:
 11346

 UniProt ID:
 Q8N3V7

 Cytogenetics:
 5q33.1

MW: 96.2 kDa

Gene Summary: Synaptopodin is an actin-associated protein that may play a role in actin-based cell shape and

motility. The name synaptopodin derives from the protein's associations with postsynaptic densities and dendritic spines and with renal podocytes (Mundel et al., 1997 [PubMed

9314539]).[supplied by OMIM, Mar 2008]