

Product datasheet for **SC327300**

Synaptojanin (SYNJ1) (NM_001160302) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptojanin (SYNJ1) (NM_001160302) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNJ1
Synonyms:	DEE53; EIEE53; INPP5G; PARK20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC327300 representing NM_001160302. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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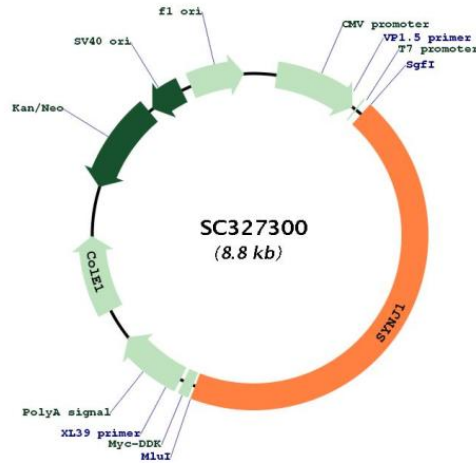
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Restriction Sites:

Sgfl-MluI

Plasmid Map:



ACCN: NM_001160302

Insert Size: 3888 bp

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<ol style="list-style-type: none">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_001160302.1
RefSeq Size:	7059 bp
RefSeq ORF:	3888 bp
Locus ID:	8867
UniProt ID:	O43426
Cytogenetics:	21q22.11
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
MW:	143.3 kDa
Gene Summary:	<p>This gene encodes a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4,5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (3) differs in its 5' UTR, 5' coding region and 3' coding region, and uses a downstream translational start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, a distinct C-terminus, and is shorter than isoform a.</p>