

Product datasheet for **SC329322**

Synaptojanin 2 (SYNJ2) (NM_001178088) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptojanin 2 (SYNJ2) (NM_001178088) Human Untagged Clone
Tag:	Tag Free
Symbol:	SYNJ2
Synonyms:	INPP5H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001178088, the custom clone sequence may differ by one or more nucleotides

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ATGATTTACATGGACGATGGAGTGCATCTTTTGTCCAGATCAGAGGCTCCGTTCCGCTG
TTCTGGGAACAGCCAGGCTTCAGGTTGGCTCCCATCATCTGAGACTCCACAGAGGCTG
GAAGCCAATGCCCTGCTTTCGACAGGCACATGGTGTCTGAAGGAGCAGTACGGGCAG
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CTTCTTACCACCTAAACTGTTGAATAACACTTGGCTTTCTAAGAGCTCAGACCCTTGG
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ATCAGTGACCAAGAAAAGAGGACAGCACTGCAGGTGTTTGACCCACTGGCAAAAACATGA

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Restriction Sites:

Please inquire

ACCN:

NM_001178088

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:	<u>NM_001178088.1, NP_001171559.1</u>
RefSeq Size:	7339 bp
RefSeq ORF:	3780 bp
Locus ID:	8871
UniProt ID:	<u>O15056</u>
Cytogenetics:	6q25.3
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Gene Summary:	<p>The gene is a member of the inositol-polyphosphate 5-phosphatase family. The encoded protein interacts with the ras-related C3 botulinum toxin substrate 1, which causes translocation of the encoded protein to the plasma membrane where it inhibits clathrin-mediated endocytosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The resulting protein (isoform 2) has a shorter N-terminus, compared to 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.</p>