

Product datasheet for SC336182

Synaptotagmin VII (SYT7) (NM_001300773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Synaptotagmin VII (SYT7) (NM_001300773) Human Untagged Clone
Tag:	Tag Free
Symbol:	Synaptotagmin VII
Synonyms:	IPCA-7; IPCA7; PCANAP7; SYT-VII; SYTVII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336182 representing NM_001300773. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACCGGGACCCGGAGGCGGCCAGCCAGGGGCGCCCTCGCGCGAGCTCCTGCTGGTCTCTGCCATC
ATCACCGTCAGCCTTAGCGTCACTGTCTGCTCCTCTGCGGCCTCTGCCACTGGTGTGACGCGAAACTGGGC
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GCTATCAATGATCTAGACAGAGACTTTTGAATAACAATGAGAGCACAGTGCAGCAGAAATGGAGCTCC
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AAGTTGCCTGCAGGAGGGAAGGCGGTGAACACAGCCCCCGTGCCAGGCCAGACACCCACGATGAGTCC
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GAGACGACCATCATCACTGTGATGACAAGGACAAGCTCAGCCGCAATGACGTATCGGCAAGATC
TACCTGTCTGGAAGAGCGGGCCAGGGGAGGTGAAGCACTGGAAGGACATGATTGCCCGTCCCCGGCAG
CCCGTGGCCAGTGGCACCAGCTGAAGGCCGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001300773
Insert Size:	1344 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).
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_001300773.1
RefSeq Size:	6320 bp
RefSeq ORF:	1344 bp
Locus ID:	9066
UniProt ID:	O43581
Cytogenetics:	11q12.2
Protein Families:	Secreted Protein, Transmembrane
MW:	50.7 kDa
Gene Summary:	<p>This gene is a member of the synaptotagmin gene family and encodes a protein similar to other family members that mediate calcium-dependent regulation of membrane trafficking in synaptic transmission. A similar protein in rodents mediates hormone secretion and lysosome exocytosis. In humans, expression of this gene has been associated with prostate cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (3) contains an alternate in-frame exon in place of another alternate in-frame exon compared to variant 1. The resulting isoform (3) has an alternate 44 aa internal segment in place of an alternate 75 aa internal segment compared to isoform 1.</p> <p>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>