

Product datasheet for SC310743

INSYN1 (NM_001039614) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSYN1 (NM_001039614) Human Untagged Clone
Tag:	Tag Free
Symbol:	INSYN1
Synonyms:	C15orf59
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310743 representing NM_001039614. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAACATTGCGGGCGCCCCGACCTCGGGCAGCCAGTGACGACCCAGCAGTGGTGGTGAGCGGGAG
 CGGATTCGACAGCGCATGAAGATGGTCATCGGGCAGCTTGAGGGCATCCTTCGCGAGCTCAAGGAGGTG
 GCCAAGGAGCTGAGGGAGGTGGTGAGCCAGATCGATAAGCTAACCTCGGACTTCGACTTTGAACTGGAG
 CCGGACGACTGGACCACGGCCACTGTGAGCAGCACCTCTAGCAGTGACAAGGCGGGCATGGGTGGCCCC
 TTTGACCTGGGCCACCTGGACTTCATGACAGCCGATATCCTCTCAGACAGCTGGGAGTTCTGCTCCTTC
 CTGGACGTCTCTACCCCTCGGACTCCGTGGATGGTCCCGAGTCGACTCGGCCAGGGGCTGGCCCTGAC
 TACCGCCTCATGAATGGTGGCACGCCATCCCCAATGGGCCACGAGTGGAGACCCAGACTCCTCCAGT
 GAGGAGGCCTTTGGTGCTGGCCCCACGGTGAAGAGCCAGCTGCCCCAGCGGACCCAGGGACACGGGAG
 AGGGTGCGGTTCACTGACAAAGTGCTCTACCATGCTCTGTGCTGTGACGATGAGGAGGGGACGGTGAG
 CAGGAGGTGGAGGAGGAAGAAGTGGCTTGCCCCCTGAGCCTGCCATACAGAGGCCCATGCAGGCCCC
 CACAAGCCCTCCCAGCCCCCTACAAGTCACGGCGCTCTCCACTGACCAGCCGCCACTCAGGCTCTACC
 TTGGCCCCCTGAACAGACTCGAAGGTACGAGGAACAGCAGCACCCAGACAGTGTACAGACAAGAGCACG
 CAGACGGTTCTGCCCTACACAGCCACTAGACAGAAAGCCAGGGGGAAAACTAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001039614
Insert Size:	882 bp


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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_001039614.2</u>
RefSeq Size:	5730 bp
RefSeq ORF:	882 bp
Locus ID:	388135
UniProt ID:	<u>Q2T9L4</u>
Cytogenetics:	15q24.1
MW:	31.9 kDa
Gene Summary:	<p>Component of the protein machinery at the inhibitory synapses, probably acting as a scaffold. Inhibitory synapses dampen neuronal activity through postsynaptic hyperpolarization. This synaptic inhibition is fundamental for the functioning of the central nervous system, shaping and orchestrating the flow of information through neuronal networks to generate a precise neural code.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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>