

Product datasheet for **SC310794**

INSYN2A (NM_001039762) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSYN2A (NM_001039762) Human Untagged Clone
Tag:	Tag Free
Symbol:	INSYN2A
Synonyms:	C10orf141; FAM196A; INSYN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310794 representing NM_001039762.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCAGTAAGGACACCGGCAAATGCATACTCACAACGTCGGAGAGTGAAGTGAACCCGCCGCCTGC
CTGGCCCTGGAGATGAAATACGCCCTGGACCCCAACCGGCAGATTAACAAACGGAACAAAGCCCTGCAG
GTGCGGTTTAAGGATATCTGCGAGGCACAGAATGAGCAGAGGGACACACAGCTGTCTCGGGCCAGCTG
GGGAGAGAAGCGGGAGGCCAAGCCGTGTCTGCAGAGCAGCCTACCGCAAATACATGACAGTGCCCGCA
CGCAGGTCCATCCCAACGTACCAAGAGCACAGGCGTGCAGACCTCGCCGACCTTAAGAAGTGTTAC
CAGACGTTCCCTCTGGACCGCAAAAGGGGAACCTCAAAAGCCTCCAGCTGCAGATCCCTTTAAAGC
CAAAACAATGGGTTTCTAACAGATGCGAAAGAGAAGAACGAGGCTGGACCCATGGAGGAGGCCCGGCCA
TGTGGCGCGGGGCGGTGCACAAGACCACAGCCTTGGTTTTCCATTCAACCAACACATGAACACAGTG
GACCAGCCTTTGGGGTCAACTGCACAGAGCCCTGTAAAAGCCCGAGCCGCTCAGCTATGGAGAAGCT
GCGCTCCAAAACCTCACTCGGCCTCCATCCGAAGAGCCCGATTACCAGCTGCTCGGGAGGGCCAAGCAG
GACCGGGGAGGCCAAACTCCGAGGAGCCCGCTCCACCTGCCCTCAGGAGGGTGTAAAAACGAGGTT
GCCACCGTTTACGCACCTGCCCTCAGTGCCAGGGCCCCGAGCCTGGTTTGTGAGACTCTGCAGCCGCC
AGCCAGTGGTCACTCTGCCCCGCGAGATGACGAGCGGAGGAGGCCACACATCTCAACGGGCTCCAGGCG
CCCTCGGAAACTGCCCTGGCCTGCTCACCCCGATGCAGTGCCTGTCCCCGAATGTAGTGAGCAGCCG
TCGCACTCACACCCCGCCGGGCTGGGGAACCAAGCCTAGTCCACAGCGGTTGCTGCAGGTGAAGAA
TGCCAACGAATCGTGCCATACGGAAGTGGTCGACCTCAAAGCACAACCTCAGATGATGGAGAATTG
ATCAGTTCAAGCAAGAAACCATCAAAGTGCTCTTGGGGTCAATCAGGAGTTGGAAAAAGGAGAGGCC
CATCGGGAAGGGCTTTCATATCGGACGGGGCAAGACACAGCTAATTGTGACACATGCAGGAACAGTGCA
TGATTATCTATAGTGTGGAGCTGGATTTTAAGCAGCAAGAAGACAACTCCAGCCGTTCTAAGAAAA
CTCCACCTATTAGGAAACTCAGGTACATACCTTCGCCTTACTCTCAGGAGACTTACTCCTCAACTCCC
AAGCAAAATCCAAACTGAATCTAAAAAGCACGGAAGATGGAACTCTGGTTCTTTTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001039762

Insert Size: 1440 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:	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_001039762.2</u>
RefSeq Size:	4407 bp
RefSeq ORF:	1440 bp
Locus ID:	642938
UniProt ID:	<u>Q6ZSG2</u>
Cytogenetics:	10q26.2
MW:	52.9 kDa
Gene Summary:	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]