

## Product datasheet for **SC311395**

### INSC (NM\_001042536) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** INSC (NM\_001042536) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** INSC  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001042536, the custom clone sequence may differ by one or more nucleotides

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ATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTCACCCCTGCCGGGTCAGCGGCTA
CACCTGATGCAGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAG
TGCGAGTGCATGTGTGCTCCTGCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGT
GACCTCATCCTGGCAGGTGGCCCTGGCCCTGGAGACCCCTGCAGCTGCTGCTCAAACGG
GGTTGGGTCATTAGCACAGAGCTGCGCAGGATCGGGCAGAAGCTGGCCCAGGACCGCTGG
GCACGGGTGCACAGCATGAGCGTGCGTCTGACCTGCCATGCCCGCTCCATGGTCAGCGAG
TACAGTGTCTGTCAGCAGGAACCTCTGAAGGAAATGGGCGAGATTGAGAAGCTGCTAATG
GAGAAATGCTCGGAGCTCTCGGCAGTCACAGAGAGGTGCCTTCAGGTTGAGAATGAGCAT
GTCCTGAAGTCAATGAAGGCCTGCGTGAGTGAGACCCTGAGCATGCTGGGCCAGCACTTT
GGCCAGCTGCTGGAGCTGGCCCTGACACGGGAGGTTTCAGGCACTGGTGAGAAAAATTGAT
GCCTCAGACAATATCTACACCACAGAGTCCACCACAGGGAACCTGTTTCAGCCTGACCCAG
GAGGGGGCTCCCTTGTGCCGCATCATAGCCAAGGAGGGTGGGGTTCGTAGCACTCTTCAAG
GTTTGCCGGCAGGACAGTTTCCGGTGTGTACCCCGAGCGCTCCGCACGCTGGCCTCC
ATCTGCTGCGTGAAGAGGGTGTCCACCAGCTGGAGAAGGTGGATGGCGTTCTGTGCTTG
GCCGACATCCTGACCGACAACAGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCTGTG
GTGGCCAGGTCACCTCCCACACCTGCCCGTACCCAGCACCTCAGTAGCTTCTCGGAG
AGCATGGAGGAGATCGTGACAGCCCTCGTCAAACCTGTGCCAAGAGGCCTCATCAGGGGAA
GTCTTCTACTGGCCTCTGCGGCCCTTGCCAACATCACGTTCTTTGACACAATGGCCTGC
GAGATGCTCCTGCAGTTGAATGCCATCCGTGTTCTCCTGGAAGCCTGCAGTGACAAGCAG
AGAGTGGACACGCCTTACACTCGGGACCAGATTGTGACCATCTTGGCAAACATGTCTGTC
CTAGAACAGTGTGCCTCTGACATCATTACAGGAAATGGGGTCCAGCTTATCATGGGCATG
CTGTCTGAAAAACCAAGGTCTGGGACTCCTGCTGAAGTGGCAGCCTGTGAGCGAGTCCAG
CAGAAAGCTGCAGTGACCCTGGCTCGTCTCAGCCGAGACCCAGATGTGGCACGGGAGGCC
GTGCGGCTCAGCTGCATGTCCCCTCATCGAGCTCTGCAGATCCCATCAGAGAGGAAC
AGCAGTGCAGCCGTGCTTGTGGCCTGCCTGGCTGCTCTGCGTAGATTGGCTGGGGTCTGC
CCTGAAGGCCTCCAGGACTCTGACTTTCAGCAGTTGGTCCAGCCTCGGCTGGTGGACTCC
TTCTTACTCTGCAGCAACATGGAGGAGATTTTGTGTAG
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**Restriction Sites:** Please inquire  
**ACCN:** NM\_001042536



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001042536.1</a></u> , <u><a href="#">NP_001036001.1</a></u>
<b>RefSeq Size:</b>	2894 bp
<b>RefSeq ORF:</b>	1599 bp
<b>Locus ID:</b>	387755
<b>UniProt ID:</b>	<u><a href="#">Q1MX18</a></u>
<b>Cytogenetics:</b>	11p15.2
<b>Gene Summary:</b>	<p>In <i>Drosophila</i>, neuroblasts divide asymmetrically into another neuroblast at the apical side and a smaller ganglion mother cell on the basal side. Cell polarization is precisely regulated by 2 apically localized multiprotein signaling complexes that are tethered by Inscuteable, which regulates their apical localization (Izaki et al., 2006 [PubMed 16458856]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (2) has an alternate exon at the 5' end, which results in a downstream start codon, compared to variant 1. The resulting isoform (b) has a shorter N-terminus, compared to isoform a. Variants 2 and 3 encode the same isoform b.</p>