

## Product datasheet for **SC336642**

### INSC (NM\_001278313) Human Untagged Clone

#### Product data:

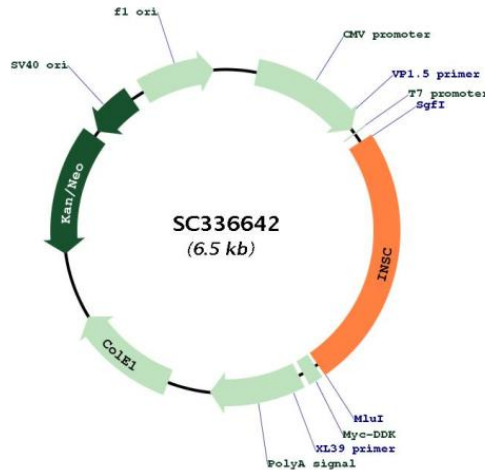
**Product Type:** Expression Plasmids  
**Product Name:** INSC (NM\_001278313) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** INSC  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC336642 representing NM\_001278313.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTACCCTGCCGGGTACACCTGATG
CAGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTGCAGTGCATGTGTGC
CTGCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGTGACCTCATCCTGGCAGGTGGCCCTGGC
CCTGGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTCATTAGCACAGAGCTGCGCAGGATCGGG
CAGAAGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTGTGACCTGCCATGCCCGC
TCCATGGTCAGCGAGTACAGTGTGTGAGCAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTG
CTAATGGAGAAATGCTCGGAGCTCTCGGAGTACAGAGAGGTGCCTTCAGGTTGAGAATGAGCATGTC
CTGAAGTCAATGAAGGCCTGCGTGAGTGAGACCCTGAGCATGCTGGGCCAGCACTTTGGTCAGTGTG
GAGCTGGCCCTGACACGGGAGGTTGAGGACTGGTGAAGAAAATTGATGCCTCAGACAATATCTACACC
ACAGAGTCCACCACAGGGAACCTGTTGAGCCTGACCCAGGAGGGGGCTCCCTTGTGCCGATCATAGCC
AAGGAGGGTGGGGTCGTAGCACTTTCAAGTTTGCAGGACAGTTTCCGGTCTTGTACCCCCAG
GCGCTCCGACGCTGGCCTCCATCTGCTGCGTGAAGAGGGTGTCCACCAGCTGGAGAAGGTGGATGGC
GTTCTGTGCTTGGCCGACATCCTGACCCACAACAGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCT
GTGGTGGCCAGTACCTCCCCACACCTGCCCGTACCCAGCACCTCAGTAGCTTCTGGAGAGCATG
GAGGAGATCGTGACAGCCCTCGTCAAACGTGCCAAGAGGCCATCAGGGGAAGTCTTCTACTGGCC
TCTGCGGCCCTTGCCAACATCACGTTCTTTGACACAATGGCCTGCGAGATGCTCCTGCAGTTGAATGCC
ATCCGTGTTCTCCTGGAAGCCTGCAAGTGAAGCAGAGAGTGGACACGCCTTACACTCGGGACCAGATT
GTGACCATCTTGGCAAACATGTCTGTCTAGAACAGTGTGCCTCTGACATCATTGAGGAAATGGGGTC
CAGTTATCATGGGCATGCTGTCTGAAAACCAAGGTCTGGGACTCCTGTGAAAGTGGCAGCCTGTGAG
CGAGTCCAGCAGAAAGCTGCAGTGACCCCTGGCTCGTCTCAGCCGAGACCCAGATGTGGCAGGGGAGGCC
GTGCGGCTCAGCTGCATGTCCCCTCTCATCGAGCTCTGCAGATCCCCATCAGAGAGGAACAGCAGTGAC
GCCGTGCTTGTGGCCTGCCTGGCTGCTGCGTAGATTGGTGGGGTCTGCCCTGAAGGCCTCCAGGAC
TCTGACTTTCAGCAGTTGGTCCAGCCTCGGCTGGTGGACTCCTTCTTACTCTGCAGCAACATGGAGGAG
AGTTTTGTGTAG
```

**Restriction Sites:** SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001278313

**Insert Size:** 1599 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:**

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\\_001278313.1](#)

**RefSeq Size:** 2856 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 387755

**UniProt ID:** [Q1MX18](#)

**Cytogenetics:** 11p15.2

**MW:** 58.5 kDa

**Gene Summary:** In *Drosophila*, 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]

Transcript Variant: This variant (3) lacks an exon at the 5' end but has an alternate segment, 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.