

Product datasheet for **SC336423**

INSC (NM_001278316) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001278316) Human Untagged Clone
Tag:	Tag Free
Symbol:	INSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336423 representing NM_001278316.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTCACCCTGCCGGTCCAGCGGCTACACCTGATG
CAGGTGGACTCAGTCCAGCGTGGATGGAAGATCTGAAGCTCATGACCGAGTGCAGTGCATGTGTGTC
CTGCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGTACCTCCTCCTGGCAGGTGGCCCTGGC
CCTGGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTCATTAGCACAGAGCTGCGCAGGATCGGG
CAGAAGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTCTGACCTGCCATGCCCGC
TCCATGGTCAGCGAGTACAGTGTGTCAGCAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTG
CTAATGGAGAAATGCTCGGAGCTCTCGGCAGTACAGAGAGGTGCCTTCAGGTTGAGAATGAGCATGTC
CTGAAGTCAATGAAGGCTCGGTGAGTGCAGACCTGAGCATGCTGGCCAGCACTTTGGTCAGCTGCTG
GAGCTGGCCCTGACACGGGAGGTTCAAGCACTGGTGCAGAAAAATGATGCCTCAGACAATATCTACACC
ACAGAGTCCACCACAGGGAACCTGTTCAAGCCTGACCCAGGAGGGGGCTCCCTTGTGCCGCATCATAGCC
AAGGTGGATGGCGTTCTGTGCTTGGCCGACATCCTGACCGACAACAGCCACTCAGAGGCCACACGGGCT
GAGGCTGCGGCTGTGGTGGCCAGGTCACCTCCCCACACCTGCCCGTACCCAGCACCTCAGTAGCTTC
CTGGAGAGCATGGAGGAGATCGTGACAGCCCTCGTCAAACGTGCCAAGAGGCTCATCAGGGGAAGTC
TTCTACTGGCCTCTGCGGCCCTTGCCAACATCACGTTCTTTGACACAATGGCCTGCGAGATGCTCCTG
CAGTTGAATGCCATCCGTGTTCTCCTGGAAGCCTGCAGTGACAAGCAGAGAGTGGACACGCCCTTACACT
CGGGACCAGATTGTGACCATCTTGGCAAACATGTCTGTCTAGAACAGTGTGCCTCTGACATCATTAG
GAAAATGGGGTCCAGCTTATCATGGGCATGTGTCTGAAAAACCAAGGTCTGGGACTCCTGCTGAAGTG
GCAGCCTGTGAGCGAGTCCAGCAGAAAGCTGCAGTGACCCTGGCTCGTCTCAGCCGAGACCCAGATGTG
GCACGGGAGGCCGTGCGGCTCAGCTGCATGTCCGCTCTCATCGAGCTCTGCAGATCCCCATCAGAGAGG
AACAGCAGTGACGCCGTGCTTGTGGCCTGCCTGGCTGCTCGGTAGATTGGCTGGGGTCTGCCCTGAA
GGCCTCCAGGACTCTGACTTTCAGCAGTTGGTCCAGCCTCGGCTGGTGGACTCCTTCTACTCTGCAGC
AACATGGAGGAGATTTTGTGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001278316

Insert Size: 1473 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_001278316.1](#)

RefSeq Size: 2730 bp

RefSeq ORF: 1473 bp

Locus ID: 387755

UniProt ID: [Q1MX18](#)

Cytogenetics: 11p15.2

MW: 53.8 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 (6) differs in the 5' UTR and has multiple coding region differences, compared to variant 1. The resulting isoform (e) is shorter at the N-terminus and lacks an internal segment, compared to isoform a.