

Product datasheet for **RC215747**

INSC (NM_001042536) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001042536) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215747 representing NM_001042536
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGCACTGCCTGGAGTGCACCTGGACTCCGTCACCCTGCCGGTCCAGCGCTACACCTGATGC
 AGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTGCGAGTGCATGTGTCTCT
 GCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGTGACCTCATCTGGCAGGTGGCCCTGGCCCT
 GGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTATTAGCACAGAGCTGCGCAGGATCGGGCAGA
 AGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTGACCTGCCATGCCCGCTCCAT
 GGTGAGCAGTACAGTGTGTGACAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTGCTAATG
 GAGAAATGCTCGGAGCTCTCGGCAGTACAGAGAGGTGCCTTCAAGTTGAGAATGAGCATGCTCTGAAGT
 CAATGAAGGCCTCGGTGAGTGCAGCCCTGAGCATGCTGGGCCAGCACTTTGGCCAGCTGCTGGAGCTGCC
 CCTGACACGGGAGGTTCCAGCAGTGGTGGAGAAAATTGATGCCTCAGACAATATCTACACCACAGAGTCC
 ACCACAGGGAACCTGTTACGCTGACCCAGGAGGGGGCTCCCTTGTGCCGCATCATAGCCAAGGAGGGTG
 GGGTCGTAGCACTCTTCAAGTTTGCCTGGCAGGACAGTTTCCGGTGTGTACCCCAAGGCGCTCCGCAC
 GCTGGCCCTCCATCTGCTGCGTGGAGAGGGTGTCCACCAGCTGGAGAAGGTGGATGGCGTTCTGTCTTG
 GCCGACATCCTGACCGACAACAGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCTGTGGTGGCCAGG
 TCACCTCCCCACACCTGCCCGTCAACAGCACCTCAGTAGCTTCTGGAGAGCATGGAGGAGATCGTGAC
 AGCCCTCGTCAAAGTGTGCAAGAGGCCTCATCAGGGGAAGTCTTCTACTGGCCTCTGCGGCCCTTGCC
 AACATCACGTTCTTTGACACAATGGCCTGCGAGATGCTCCTGCAGTTGAATGCCATCCGTGTTCTCCTGG
 AAGCCTGCAGTGACAAGCAGAGAGTGGACACGCCCTTACACTCGGGACCAGATTGTGACCATTTGGCAAA
 CATGTCTGTCTAGAACAGTGTGCTCTGACATCATTACAGGAAAATGGGGTCCAGCTTATCATGGGCATG
 CTGTCTGAAAAACCAAGTCTGGGACTCCTGCTGAAGTGGCAGCCTGTGAGCGAGTCCAGCAGAAAGCTG
 CAGTGACCCTGGCTCGTCTCAGCCGAGACCCAGATGTGGCACGGGAGGCCGTGCGGCTCAGCTGCATGTC
 CCGTCTCATCGAGCTCTGCAGATCCCCATCAGAGAGGAACAGCAGTGCAGCCGTGCTTGTGGCCTGCCTG
 GCTGCTCTGCGTAGATTGGCTGGGGTCTGCCCTGAAGGCCTCCAGGACTCTGACTTTCAGCAGTTGGTCC
 AGCCTCGGCTGGTGGACTCCTTCTACTCTGCAGCAACATGGAGGAGATTTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215747 representing NM_001042536
 Red=Cloning site Green=Tags(s)

MMALPGGRHLDVTLPGQRLHLMQVDSVQRWMDLKLMTCECECMCVLQAKPISLEEDAQGDILLAGGPGP
 GDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHMSVRLTCHARSMVSEYSAVSRNSLKEMGEIEKLLM
 EKCSSELSAVTERCLQVENEHVLKSMKACVSETLSMLGQHFQQLLELALTRVQALVRKIDASDNIYTTES
 TTGNLFSLTQEGAPLCRIIAKEGGVVALFKVCRQDSFRCLYPQALRTLASICCVVEGVHQLKVDGVLCL
 ADILDNSHSEATRAEAAVVAQVTSPLPVTQHLSSFLESMEEIVTALVKLCQEASSGEVFLASAALA
 NITFFDTMACEMLLQLNAIRVLLLEACSDKQRVDPYTRDQIVTILANMSVLEQCASDIIQENGVQLIMG
 LSEKPRSGTPAEVAACERVQQAIVTLARL SRDPDVAREAVRLSCMSRLIELCRSPSERNSSDAVLVA
 AALRRLAGVCPPEGLQDSDFQQLVQPRLVDSFLLCSNMEESFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8065_g11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001042536

ORF Size: 1596 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001042536.1](#), [NP_001036001.1](#)

RefSeq Size: 2894 bp

RefSeq ORF: 1599 bp

Locus ID: 387755

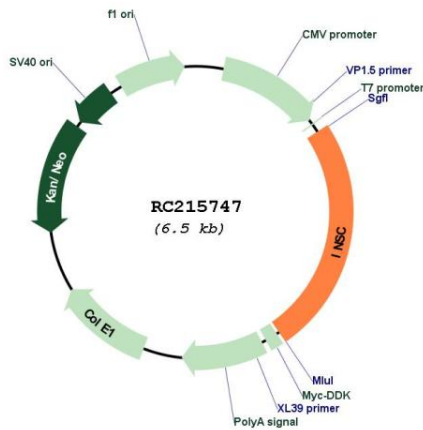
UniProt ID: [Q1MX18](#)

Cytogenetics: 11p15.2

MW: 58.3 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]

Product images:



Circular map for RC215747