

Product datasheet for **RC219608**

INSC (NM_001031853) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001031853) 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:

>RC219608 representing NM_001031853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACGGCCCCCTGGCAATGGAGAGGCGGCCAGCGAAGGTCCAGGTGGCTGGGTCTATGGGAGTCC
 AGGAGTCCAGGAGGCTGTGCTGTGCCGGTCACGACCGCTGCAAGCAGGCTTTGCTGCAGATTGGGATCAA
 CATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTACCCTGCCGGGTGAGCGGCTACACCTGATG
 CAGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTGGAGTGCATGTGTGTCC
 TGCAGGCCAAGCCATCAGCCTGGAAGAGGATGCACAGGGTGACCTCATCCTGGCAGGTGGCCCTGGCCC
 TGGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTCAATAGCACAGAGCTGCGCAGGATCGGGCAG
 AAGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTGACCTGCCATGCCCGCTCCA
 TGGTCAGCGAGTACAGTGTGTCAGCAGGAACCTTGAAGGAAATGGGCGAGATTGAGAAGCTGCTAAT
 GGAGAAATGCTCGGAGCTCTCGGAGTACAGAGAGGTGCCTTCAGGTTGAGAATGAGCATGTCTGAAG
 TCAATGAAGGCCTGCGTGAAGTACAGCCCTGAGCATGCTGGGCCAGCACTTTGGCCAGCTGCTGGAGCTGG
 CCCTGACACGGGAGGTTCAAGCACTGGTGAAGAAATGATGCCTCAGACAATATCTACACCACAGAGTC
 CACCACAGGGAACCTGTTCAAGCTGACCCAGGAGGGGGCTCCCTTGTGCCGCATCATAGCCAAGGAGGT
 GGGGTGCTAGCACTCTTCAAGTTTGGCCGAGGACAGTTTCCGGTGCTTGTACCCAGGCGCTCCGCA
 CGCTGGCTCCATCTGCTGCGTGAAGAGGGTGTCCACCAGTGGAGAAGGTGGATGGCGTTCTGTGCTT
 GGCCGACATCTGACCGACAACAGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCTGTGGTGGCCAG
 GTCACCTCCACACCTGCCCGTACCCAGCAGTCACTAGCTTCTGGAGAGCATGGAGGAGATCGTGA
 CAGCCCTCGTCAAAGTGTGCAAGAGGCTCATCAGGGGAAGTCTTCTACTGGCCTCTGGCCCTTGG
 CAACATCACGTTCTTTGACACAATGGCCTGCGAGATGCTCCTGCAGTTGAATGCCATCCGTGTTCTCCTG
 GAAGCCTGCAGTGACAAGCAGAGAGTGGACACGCCTTACACTCGGACCAGATTGTACCATCTTGCA
 ACATGTCTGCTCTAGAACAGTGTGCTCTGACATCATTAGGAAAATGGGGTCCAGCTTATCATGGGCAT
 GCTGTCTGAAAAACCAAGGTCTGGGACTCTGCTGAAGTGGCAGCCTGTGAGCGAGTCCAGCAGAAAGCT
 GCAGTGACCTGGCTCGTCTCAGCCGAGACCCAGATGTGGCACGGGAGGCCGTGCGGCTCAGCTGCATGT
 CCCGTCTCATCGAGCTCTGCAGATCCCCATCAGAGAGGAACAGCAGTACGCGCTGCTTGTGGCCTGCCT
 GGCTGCTCTCGTATGATTGGCTGGGTCTGCCCTGAAGGCCTCCAGGACTCTGACTTTCAGCAGTTGGTC
 CAGCCTCGGCTGGTGGACTCCTTCTACTGCAGCAACATGGAGGAGAGTTTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219608 representing NM_001031853
 Red=Cloning site Green=Tags(s)

MRRPPNGEAAASEGGWGLWGVQESRRLCCAGHDRCKQALLQIGINMMALPGGRHLDVSLPQRLHLM
 QVDSVQRWMDLKLMTCECMCVLQAKPISLEEDAQGDILAGGPGPDPLQLLLKRGWVISTELRRIGQ
 KLAQDRWARVHSMVRLTCHARSMVSEYSAVSRNSLKEMGEIEKLLMEKCSEL SAVTERCLQVENEHLK
 SMKACVSETLSMLGQHFQQLLELALTRVQALVRKIDASDNIYTTSTGNLFSLTQEGAPLCRIIAKEG
 GVVALFKVCRQDSFRCLYPQALRTLASICVVEGVHQLEKVDGVLCLADILTDNSHSEATRAEAAVVAQ
 VTSPHLPVTQHLSSFLESMEIIVTALVKLCQEASSGEVFLLSAALANITFFDTMACEMLLQLNAIRVLL
 EACSDKQRVDPYTRDQIVTILANMSVLEQCASDIIQENGVQLIMGMLSEKPRSGTPAEVAACERVQKA
 AVTLARLSRDPDVAREAVRLSCMSRLIELCRSPSERNSSDAVLVACLAALRRLAGVCPPEGLQDSDFQQLV
 QPRLVDSFLLCSNMEESFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8019_e10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001031853

ORF Size: 1737 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_001031853.3](#), [NP_001027024.3](#)

RefSeq Size: 2970 bp

RefSeq ORF: 1740 bp

Locus ID: 387755

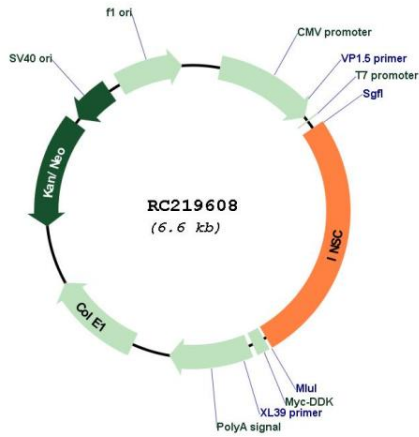
UniProt ID: [Q1MX18](#)

Cytogenetics: 11p15.2

MW: 63.3 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 RC219608