

Product datasheet for **RC238925**

INSC (NM_001278314) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001278314) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INSC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238925 representing NM_001278314
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGCACTGCCTGGAGTCCGACCTGGACTCCGTCACCCTGCCGGTCCAGCGCTACACCTGATGC
 AGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTGCGAGTGCATGTGTCTCT
 GCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGTGACCTCATCTGGCAGGTGGCCCTGGCCCT
 GGAGACCCCTGCAGTCTGCTCAAACGGGGTTGGGTATTAGCACAGAGCTGCGCAGGATCGGGCAGA
 AGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTGACCTGCCATGCCCGCTCCAT
 GGTGAGCAGTACAGTGTGTGACAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTGCTAATG
 GAGAAATGCTCGGAGCTCTCGGCAGTACAGAGAGGTGCCTTCAAGTTGAGAATGAGCATGCTCTGAAGT
 CAATGAAGGCCTCGTGAGTACAGCCCTGAGCATGCTGGCCAGCACTTTGGTCACTGCTGGAGCTGGC
 CCTGACACGGGAGTTCCAGTGGAGTCTACTCTGTACCAGGCTGGAGTGCAGTGGTCAATCTCGGCT
 CAATGCAACTCCGCCTCCTGGGTTCAAGTGATCCCTCCCTCAGCCTCCAGGCACTGGTGAGAAAAA
 TTGATGCCTCAGACAATATCTACACCACAGAGTCCACCACAGGGAACCTGTTTCCAGCTGACCCAGGAGG
 GGCTCCCTTGTGCCGCATCATAGCCAAGGAGGGTGGGGTTCGTAGCACTCTTCAAGGTTTGGCCGAGGAC
 AGTTTCCGGTGTGTACCCCAAGGCGCTCCGCACGCTGGCCCTCATCTGCTGCTGGAAGAGGGTGTCC
 ACCAGCTGGAGAAGGTGGATGGCGTTCTGTGCTTGGCCGACATCTGACCGACAACAGCCACTCAGAGGC
 CACACGGGCTGAGGCTGCGGCTGTGGTGGCCAGGTCACTCCCAACCTGCCCGTCAACAGCACCTC
 AGTAGCTTCTGGAGAGCATGGAGGAGATCGTGACAGCCCTCGTCAAACCTGTGCAAGAGGCCTCATCAG
 GGAAGTCTTCTACTGGCCTCTGCGGCCCTTGCCAACATCACGTTCTTTGACACAATGGCCTGCGAGAT
 GCTCCTGCAGTTGAATGCCATCCGTGTTCTCCTGGAAGCCTGCAGTGACAAGCAGAGAGTGGACACGCCT
 TACACTCGGGACAGATTGTGACCATCTTGGCAAACATGTCTGTCTAGAACAGTGTGCCTCTGACATCA
 TTCAGGAAAAATGGGTCCAGCTTATCATGGGCATGCTGTCTGAAAAACCAAGGTCTGGGACTCCTGCTGA
 AGTGGCAGCCTGTGAGCGAGTCCAGCAGAAAGCTGCAGTGACCCTGGCTCGTCTCAGCCGAGACCCAGAT
 GTGGCACGGGAGGCCGTGCGGCTCAGCTGCATGTCCCGTCTCATCGAGCTCTGCAGATCCCATCAGAGA
 GGAACAGCAGTGACGCCGTGCTTGTGGCCTGCCTGGCTGCTGCGTAGATTGGCTGGGGTCTGCCCTGA
 AGGCCTCCAGGACTCTGACTTTCAGCAGTTGGTCCAGCCTCGGCTGGTGGACTCCTTCTACTCTGCAGC
 AACATGGAGGAGATTTTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238925 representing NM_001278314
 Red=Cloning site Green=Tags(s)

MMALPGGRHLDVTLPGQRLHLMQVDSVQRWMDLKLMTCECEMCVLQAKPISLEEDAQGDILAGGPGP
 GDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHSMVRLTCHARSMVSEYSAVSRNSLKEMGEIEKLLM
 EKCSSELSAVTERCLQVENEHVLKSMKACVSETLSMLGQHFQQLLELAL TREVQVESHVTRLECSGAISA
 QCNLRLLGSSDSPASASQALVRKIDASDNIYTTTESTTGNLFSLTQEGAPLCRIIAKEGGVVALFKVCRQD
 SFRCLYPQALRTLASICCVEEGVHQLKVDGVLCLADILTDNSHSEATRAEAAAVVAQVTSPLHPVTQHL
 SSFLEMEEIVTALVKLCQEASSGEVFLLSAALANITFFDTMACEMLLQLNAIRVLEACSDKQRVDP
 YTRDQIVTILANMSVLEQCASDIIQENGVQLIMGMLSEKPRSGTPAEVAACERVQQAATLRLSRDPD
 VAREAVRLSCMSRLIELCRSPSERNSSDAVLVACLAALRRLAGVCEPLQDSDFQQLVQPRLVDSFLLCS
 NMEESFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

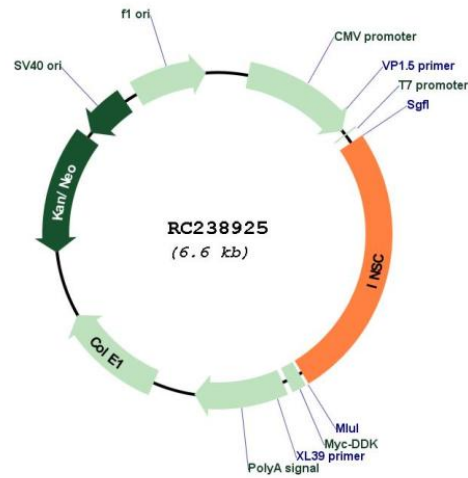
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001278314

ORF Size:	1701 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:	<ol style="list-style-type: none">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_001278314.1 , NP_001265243.1
RefSeq Size:	2961 bp
RefSeq ORF:	1704 bp
Locus ID:	387755
UniProt ID:	Q1MX18
Cytogenetics:	11p15.2
MW:	62.4 kDa
Gene Summary:	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]