

Product datasheet for **RG238702**

INSC (NM_001278315) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001278315) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	INSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238702 representing NM_001278315.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTCACCCTGCCGGTCCAGCGGCTACACCTGATG
CAGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTCCAGTGCATGTGTGTC
CTGCAGGCCAAGCCCATCAGCCTGGAAGAGGATGCACAGGGTACCTCATCCTGGCAGGTGGCCCTGGC
CCTGGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTCATTAGCACAGAGCTGCGCAGGATCGGG
CAGAAGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTCTGACCTGCCATGCCCGC
TCCATGGTCAGCGAGTACAGTGTGTCAGCAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTG
CTAATGGAGAAATGCTCGGAGCTCTCGGCAGTACAGAGAGGTGCCTTCAGGTTGAGAATGAGCATGTC
CTGAAGTCAATGAAGGCTGCGTGAAGTACAGCCTGAGCATGCTGGCCAGCACTTTGGTCAGTGTGTC
GAGCTGGCCCTGACACGGGAGGTTCAAGCACTGGTGAAGAAAATGATGCCTCAGACAATATCTACACC
ACAGAGTCCACCACAGGGAACCTGTTCAAGCTGACCCAGGAGGGGGCTCCCTTGTCCGCATCATAGCC
AAGGAGGGTGGGGTCGTAGCACTTTCAAGTTTGCCTGGCAGGACAGTTTCCGGTCTTGTACCCCCAG
GCGCTCCGCACGCTGGCCTCCATCTGCTGCGTGAAGAGGGTGTCCACCAGCTGGAGAAGGTGGATGGC
GTTCTGTGCTTGGCCGACATCCTGACCGACAACAGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCT
GTGGTGGCCAGGTCACCTCCCCACACCTGCCCGTCAACCAGCACCTCAGTAGCTTCTGGAGAGCATG
GAGGAGATCGTGACAGCCCTCGTCAAACGTGCCAAGAGGCTCATCAGGGGAAGTCTTCTACTGGCC
TCTGCGGCCCTTGCCAAACATCACGTTCTTTGACACAATGGCTGCGAGATGCTCCTGCAGTTGAATGCC
ATCCGTGTTCTCCTGGAAGCCTGCAGTGACAAGCAGAGAGTGGACACGCCCTTACACTCGGGACCAGAT
GTGACCATCTTGGCAAACATGTCTGCTCTAGAACAGTGTGCCTCTGACATCATTACAGGAAATGGGGTC
CAGCTTATCATGGGCATGCTGTCTGAAAAACCAAGGTCTGGGACTCCTGCTGAAGTGGCAGCCTGTGAG
CGAGTCCAGCAGAAAGCTGCAGTGACCCTGGCTGCTCAGCCGAGACCCAGATGTGGCAGCGGAGGCC
GTGCGGCTCAGCTGCATGTCCCGTCTCATCGAGCTCTGCAGATCCCCATCAGAGAGGAACAGCAGTGAC
GCCGTGCTTGTGGCCTGCCTGGCTATGGGGATACAGCTGCAGGTAAAAAAGACAAACATCTCTGCCCTC
CTGCTGTGTTTTTTATTTTGGCACATTCAAGGCTGCTCTGCG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238702
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MMALPGGRHLDVTLPGQRLHLMQVDSVQRWMDLKLMTCECEMCVLQAKPISLEEDAQGDILAGGPG
PGDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHMSVRLTCHARSMVSEYSAVSRNSLKEMGEIEKL
LMEKCSSELAVTERCLQVENEHVLKSMKACVSETLSMLGQHFGLLELALTRVQALVRKIDASDNIYT
TESTTGNLFSLTQEGAPLCRIIAKEGGVVALFKVCRQDSFRCLYPQALRTLASICCVEEVHQLKVDG
VLCLADILTDNSHSEATRAEAAVVAQVTSPLPVTQHLSSFLESMEIIVTALVKLCQEASSGEVFLLA
SAALANITFFDTMACEMLLQLNAIRVLEACSDKQRVDPYTRDQIVTILANMSVLEQCASDIIQENGV
QLIMGMLSEKPRSGTPAEVAACERVQQAATLRLSRDPDVAREAVRLSCMSRLIELCRSPSERNSSD
AVLVAACLAMGIQLQVKTNISALLLWFLFWHIQGCASA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001278315

ORF Size: 1560 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).

RefSeq: [NM_001278315.1](#), [NP_001265244.1](#)

RefSeq Size: 2935 bp

RefSeq ORF: 1563 bp

Locus ID: 387755

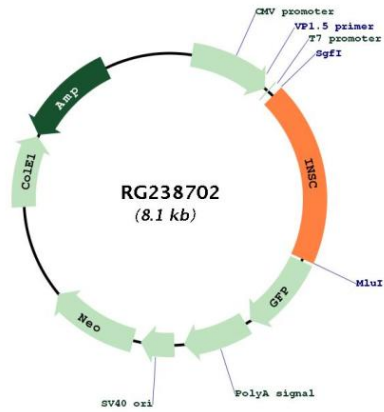
UniProt ID: [Q1MX18](#)

Cytogenetics: 11p15.2

MW: 57.6 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 RG238702