

Product datasheet for **RG238925**

INSC (NM_001278314) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INSC (NM_001278314) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	INSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG238925 representing NM_001278314.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGATGGCACTGCCTGGAGGTCGCCACCTGGACTCCGTCACCCTGCCGGGTGAGCGGCTACACCTGATG
CAGGTGGACTCAGTCCAGCGCTGGATGGAAGATCTGAAGCTCATGACCGAGTGCAGTGCATGTGTGTC
CTGCAGGCCAAGCCCATCAGCTTGAAGAGGATGCACAGGGTACCTCATCCTGGCAGGTGGCCCTGGC
CCTGGAGACCCCTGCAGCTGCTGCTCAAACGGGGTTGGGTCATTAGCACAGAGCTGCGCAGGATCGGG
CAGAAGCTGGCCAGGACCGCTGGGCACGGGTGCACAGCATGAGCGTGCCTCTGACCTGCCATGCCCGC
TCCATGGTCAGCGAGTACAGTGTGTCAGCAGGAACTCCTTGAAGGAAATGGGCGAGATTGAGAAGCTG
CTAATGGAGAAATGCTCGGAGCTCTCGGCAGTACAGAGAGGTGCCTTCAGGTTGAGAATGAGCATGTC
CTGAAGTCAATGAAGGCTGCGTGAAGTGCAGCAGGCTGAGCATGCTGGCCAGCACTTTGGTCAGTGTG
GAGCTGGCCCTGACACGGGAGGTTCAAGTGGAGTCTCACTCTGTACCAGGCTGGAGTGCAGTGGTGA
ATCTCGGCTCAATGCAACCTCCGCTCCTGGGTTCAAGTATTCCCTGCCTCAGCTCCAGGCACTG
GTGAGAAAAATTGATGCCTCAGACAATATCTACACCACAGAGTCCACCACAGGGAACCTGTTTCAGCCTG
ACCCAGGAGGGGGCTCCCTTGTGCCGCATCATAGCCAAGGAGGGTGGGGTTCGTAGCACTCTCAAGGTT
TGCCGGCAGGACAGTTTCCGGTCTGTACCCAGGCGCTCCGCACGCTGGCCTCCATCTGCTGCGTG
GAAGAGGGTGTCCACCAGCTGGAGAAGTGGATGGCGTCTGTGCTTGGCCGACATCCTGACCGACAAC
AGCCACTCAGAGGCCACACGGGCTGAGGCTGCGGCTGTGGTGGCCAGGTACCTCCACACCTGCC
GTCACCCAGCACCTCAGTAGCTTCTGGAGAGCATGGAGGAGATCGTGACAGCCCTCGTCAAAGTGTG
CAAGAGGCTCATCAGGGGAAGTCTTCTACTGGCCTTGGCCCTTCCAACATCACGTTCTTTGAC
ACAATGGCCTCGAGATGCTCCTGCAGTTGAATGCCATCCGTGTTCTCCTGGAAGCTGCAGTGACAAG
CAGAGAGTGGACACGCCCTTACACTCGGGACAGATTGTGACCATCTTGGCAAACATGTCTGTCTAGAA
CAGTGTGCTCTGACATATTACAGAAAATGGGGTCCAGCTTATCATGGGCATGCTGTCTGAAAAACA
AGGTCTGGGACTCCTGTGAAGTGGCAGCCTGTGAGCGAGTCCAGCAGAAAGCTGCAGTACCCTGGCT
CGTCTCAGCCGAGACCCAGATGTGGCACGGGAGCCGTGCGGCTCAGCTGCATGTCCCGTCTCATCGAG
CTCTGCAGATCCCATCAGAGAGGAACAGCAGTGCAGCCGTGCTGTGGCCTGCCTGGCTGCTGCGT
AGATTGGTGGGGTCTGCCCTGAAGGCTCCAGGACTCTGACTTTCAGCAGTTGGTCCAGCCTCGGCTG
GTGGACTCCTTACTCTGCAGCAACATGGAGGAGATTTTGTG
ACCGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238925
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MMALPGGRHLSVTLPGQRLHLMQVDSVQRWMDLKLMTCECEMCVLQAKPISLEEDAQGDILAGGPG
PGDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHMSVRLTCHARSMVSEYSAVSRNSLKEMGEIEKL
LMEKCSSELAVTERCLQVENEHVLKSMKACVSETLSMLGQHFQQLLELALTRVQVESHVTRLECSGA
ISAQCNLRLGSSDSPASASQALVRKIDASDNIYTTESTTGNLFSLTQEGAPLCRIIAKEGGVVALFKV
CRQDSFRCLYPQALRTLASICVVEEGVHQLEKVDGVLCLADILTDNSHSEATRAEAAAVVAQVTSPLP
VTQHLSSFLESMEEIVTALVKLQEQEASSGEVFLLSAALANITFFDTMACEMLLQLNAIRVLLAEACSDK
QRVDTPYTRDQIVTILANMSVLEQCASDIIQENGVQLIMGMLSEKPRSGTPEVAACERVQQAAVTLA
RLSRDPDVAREAVRLSCMSRLIELCRSPSERNSSDAVLVACLALRRLAGVCPPEGLQDSDFQQLVQPRL
VDSFLLCSNMEESFV
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPE
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

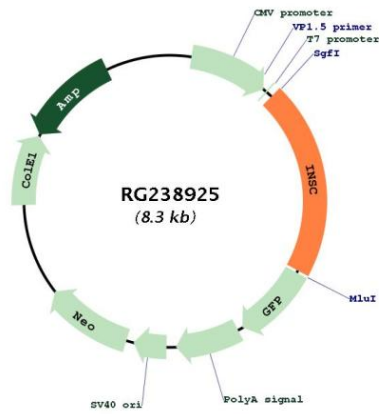
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


- 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).
- 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 *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 RG238925