

## Product datasheet for **MG208528**

### Insc (BC026405) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Insc (BC026405) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Insc
Synonyms:	3830422K02Rik; C730020D23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG208528 representing BC026405  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGCACTGCCTGGAGGCCACCTGGATTCCGTTCTCTGCAAGAGCAGAGGCTACACTTTCATGC  
 AGGTAGACTCGGTTACAGCCTGGATGGAGGATCTGAAGCTCATGACCGAGTGTAGTGCATGTGCGTCTT  
 GCAGGCAAAGCCCATCAGCCTGGAGGAAGACACGCAAGGTGACCTTATCCTAGCAGGTGGTCTGGTCCA  
 GGAGATCCTCTACAGCTGCTCTTAAACGGGGTGGGTATCAGCACCGAGCTTGAAGGATCGGGCAGA  
 AGCTGGCCAGGACCGCTGGGCCGTGTGCACAGCATGAGTGTGCGTCTGACGTGCCATGCACGCTCCAT  
 GGTGAGCAGTACAGCACCATCAGCAGGACAGCCTCACAGGAAATGGCCAGGCGGAGAAGCTGCTCATG  
 GAGAAATGCTCTGAGCTCTGCGGTACAGGAGAGGTGCCTCCAGGTGAAAATGAGCATGTTCTGAAGT  
 CAATGAAGGCCTCGTGAGTGTGAGCCCTGAGCCTGCTGGCGAGCACTTTGGTCACTACTGGAGCTGGC  
 CCTCACACGGGAAGTGCAGGCCTTGTGAGAAAAATCGATACCTCAGACAATATCTACATCACGGAGTCT  
 ACCACAGGGAATCTGTTGCGCCTGACCCAGGAGGGGGCTCCTCTGTGCCGCATCATAGCCAAGGAAGGTG  
 GGGTTGTAGCCCTCTTAAGGTCTGCCGACAGGACAGCTTCCGGTGTGTACCCCAAGGCACTCCGCAC  
 ACTGGCCTCTATCTGCTGTGTAGAAGAGGGTGTCCATCAGCTGGAGAAGGTGGACGGTATCCTGTGCTTG  
 GCTGACATCTTGACTGATGAGAGCCACTCGGAGGCCACTAGAGCTGAGGCTGCAGCCGTGGTAGCCAGG  
 TTACCTCCCCACATCTGTCTTACCCAGCACCTCACTAGCTTCTGGAGAACATGGAGGAGATTGTGAC  
 AGCCCTTATCAAAGTGTGCAAGAGGCCCTCGTCAAGGGAAGTCTTCTGCTGGCCTCTGCGGCCCTCGCC  
 AATATCACCTTCTCGACAAAATGGCCTGTGAGATGCTTCTACAGTTGAATGCAATCCGTGCTCCTCTGG  
 AAGCCTGTGGTGACAAGCAGAGAGTGGACACCCCTATACTCGGGACCAGATTGTGACCATTTGGCAAA  
 CATGTCTGTGCTGGAGCAGTGTGGCTCTGACATCATTACAGGAGAACGGTGTCCAGCTCATCATGGGCATG  
 CTGTCTGAGAAGCAAGGTCTGGGACACCTGCTGAAGTGGCAGCCTGTGAAAGAGTACAGCAGAAAGCTG  
 CAGTGACCCTGGCCCGCCTCTGCCGAGACCCAGATGTGGCCAGGAGGCCGTTCCGCTCAGCTGTATGTC  
 TCGCCTGATTGAGCTCTGCCGTCCCCCTGAGAGGAACAGTAGTGTGCTGCTCCTGGTGGCCTGCCTG  
 GCTGCCCTGCGTCGTTGGCCGGGTCTGCCGGAAGGCCTTCAGGACTCTGACTTCCAGCAGCTGCTCC  
 AGCCTCGGCTGGTGGATTCTTCTACTGTGTAGCAATATGGAGGAGATTTTGTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208528 representing BC026405  
 Red=Cloning site Green=Tags(s)

MMALPGRHLDVPLQEQRLLHFMQVDSVQRWMDLKLMTCECECMVLQAKPISLEEDTQGDILLAGGPGP  
 GDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHSMVRLTCHARSMVSEYSTISRTASQEMGQAEKLLM  
 EKCSELSAVTERCLQVENEHVLKSMKACVSETLSLLGEHFGQLLELALTRVQALVRKIDTSDNIYITES  
 TTGNLFGLTQEGAPLCRIIAKEGGVVALFKVCRQDSFRCLYPQALRRLASICCVVEGVHQLKVDGILCL  
 ADILTDESHSEATRAEAAVVAQVTSPLSFTQHLTSFLENMEEIVTALIKLCQEASSGEVFLASAALA  
 NITFFDKMACEMLLQLNAIRVLLLEACGDKQRVDTPYTRDQIVTILANMSVLEQCGSDIIQENGVQLIMG  
 LSEKPRSGTPAEVAACERVQKAAVTLARL CRDPDVAQEAVRLSCMSRLIELCRSPSERNSSDAVLVA  
 AALRRLAGVCPEGLQDSDFQQLLPRLVDSFLLCSNMEESFV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC026405

**ORF Size:** 1598 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:** [BC026405](#), [AAH26405](#)

**RefSeq Size:** 2216 bp

**RefSeq ORF:** 1598 bp

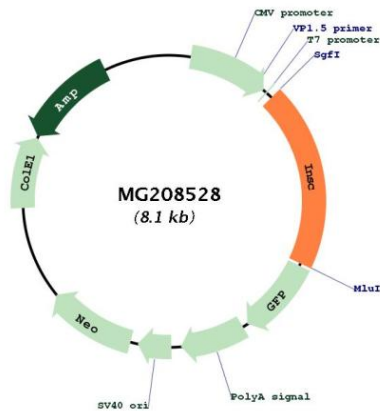
**Locus ID:** 233752

**Cytogenetics:** 7 F1

**Gene Summary:**

May function as an adapter linking the Par3 complex to the GPM1/GPM2 complex. Involved in spindle orientation during mitosis (PubMed:16301171, PubMed:21816348). May regulate cell proliferation and differentiation in the developing nervous system (PubMed:16301171). May play a role in the asymmetric division of fibroblasts and participate in the process of stratification of the squamous epithelium (PubMed:16094321).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG208528