

## Product datasheet for **MR208528**

### Insc (NM\_173767) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Insc (NM_173767) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Insc
Synonyms:	3830422K02Rik; C730020D23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208528 representing NM\_173767  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGCACTGCCTGGAGGCCACCTGGATTCCGTTCTCTGCAAGAGCAGAGGCTACACTTTCATGC  
 AGGTAGACTCGGTTACAGCGCTGGATGGAGGATCTGAAGCTCATGACCGAGTGTGAGTGCATGTGCGTCTT  
 GCAGGCAAAGCCCATCAGCCTGGAGGAAGACACGCAAGGTGACCTTATCCTAGCAGGTGGTCTGGTCCA  
 GGAGATCCTCTACAGCTGCTCTTGAACGGGGTGGGTGCATCAGCACCGAGCTTGAAGGATCGGGCAGA  
 AGCTGGCCAGGACCGCTGGGCCGTGTGCACAGCATGAGTGTGCGTCTGACGTGCCATGCACGCTCCAT  
 GGTACGAGTACAGCACCATCAGCAGGACAGCCTCACAGGAAATGGCCAGGCGGAGAAGCTGCTCATG  
 GAGAAATGCTCTGAGCTCTGCGGTACAGGAGAGGTGCCTCCAGGTGAAAATGAGCATGTTCTGAAGT  
 CAATGAAGGCCTCGTGAGTGAACCTGAGCCTGCTGGCGAGCACTTGGTCACTACTGGAGCTGGC  
 CCTCACACGGGAAGTGCAGGCACCTGTGAGAAAAATCGATACCTCAGACAATATCTACATCACGGAGTCT  
 ACCACAGGAATCTGTTGCGCCTGACCCAGGAGGGGGCTCCTCTGTGCCGATCATAGCCAAGGAAGGTG  
 GGGTTGTAGCCCTCTTAAGGTCTGCCGACAGGACAGCTTCCGGTCTTGTACCCCAAGGCACTCCGCAC  
 ACTGGCCTCTATCTGCTGTGTAGAAGAGGGTGTCCATCAGCTGGAGAAGGTGGACGGTATCCTGTGCTTG  
 GCTGACATCTTGACTGATGAGAGCCACTCGGAGGCCACTAGAGCTGAGGCTGCAGCCGTGGTAGCCAGG  
 TTACCTCCCACATCTGTCTTACCCAGCACCTCACTAGCTTCTGGAGAACATGGAGGAGATTGTGAC  
 AGCCCTTATCAAAGTGTGCAAGAGGCCCTCGTACGGGAAGTCTTCTGCTGGCCTCTGCGGCCCTCGCC  
 AATATCACCTTCTCGACAAAATGGCCTGTGAGATGCTTCTACAGTTGAATGCAATCCGTGTCTCTCTGG  
 AAGCCTGTGGTGACAAGCAGAGAGTGGACACCCCTATACTCGGGACAGATTGTGACCATCTTGGCAAA  
 CATGCTGTGCTGGAGCAGTGTGGCTCTGACATCATTACAGGAGAACGGTGTCCAGCTCATCATGGGCATG  
 CTGCTGAGAAGCAAGGTCTGGGACACCTGCTGAAGTGGCAGCCTGTGAAAGAGTACAGCAGAAAGCTG  
 CAGTGACCCTGGCCCGCCTCTGCCGAGACCCAGATGTGGCCAGGAGGCCGTTCCGCTCAGCTGTATGTC  
 TCGCCTGATTGAGCTCTGCCGTCCCTCTGAGAGGAACAGTAGTGATGCTGTCTGCTGGTGGCCTGCCTG  
 GCTGCCCTGCGTCGTTGGCCGGGTCTGCCGGAAGGCCTTACGACTCTGACTCCAGCAGCTGGTCC  
 AGCCTCGGCTGGTGGATTCTTCTACTGTGTAGCAATATGGAGGAGATTTTGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208528 representing NM\_173767  
 Red=Cloning site Green=Tags(s)

MMALPGGRHLDVPLQEQRHFHMVDSVQRWMDLKLMTCECECMCVLQAKPISLEEDTQGDILLAGGPGP  
 GDPLQLLLKRGWVISTELRRIGQKLAQDRWARVHSMVRLTCHARSMVSEYSTISRTASQEMGQAEKLLM  
 EKCSLSAVTERCLQVENEHVLKSMKACVSETLSLLGEHFGQLLELALTREVQALVRKIDTSDNIYITES  
 TTGNLFLGTQEGAPLCRIIAKEGGVVALFKVCRQDSFRCLYPQALRTLASICCVVEGVHQLKVDGILCL  
 ADILTDESHSEATRAEAAAVVAQVTSPLSFTQHLTSFLENMEEIVTALIKLCQEASSGEVFLASAALA  
 NITFFDKMACEMLLQLNAIRVLLLEACGDKQRVDTPTDQIVTILANMSVLEQCGSDIIQENGVQLIMG  
 LSEKPRSGTAEVAACERVQQAQAVTLARLCRDPDVAQEAARLSCMSRLIELCRSPSERNSSDAVLVACL  
 AALRRLAGVCPPEGLQDSDFQQLVQPRLVDSFLLCSNMEESFV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9082\\_a11.zip](https://cdn.origene.com/chromatograms/mm9082_a11.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_173767

**ORF Size:** 1596 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\\_173767.4](#)

**RefSeq Size:** 2339 bp

**RefSeq ORF:** 1599 bp

**Locus ID:** 233752

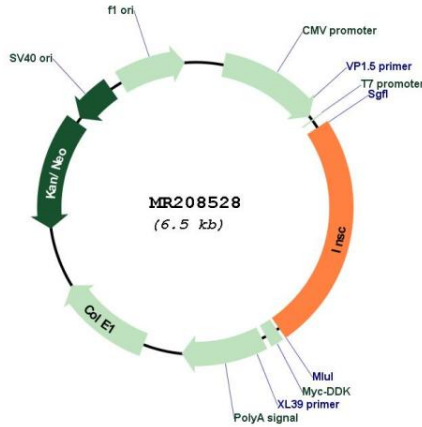
**UniProt ID:** [Q3HNM7](#)

**Cytogenetics:** 7 F1

**MW:** 58.7 kDa

**Gene Summary:** May function as an adapter linking the Par3 complex to the GPSM1/GPSM2 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 MR208528