

## Product datasheet for **SC305486**

### INSM2 (NM\_032594) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	INSM2 (NM_032594) Human Untagged Clone
Tag:	Tag Free
Symbol:	INSM2
Synonyms:	IA-6; IA6; mlt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC305486 representing NM\_032594.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCAAGGGGATTCTGGTGAAGCGAACTAACGGACAGGCGGCTTGTACCGAGTTCGCCTTGGCGAG
CGTGTCTTCCCTCTGCTGGGGCCCCAGGGGGCGCCGCTTCTTGAGGAGGCTCCAGCGCCTCCTTG
CCCGGCGGAGCGGGCGACACCCCCACCCGAGAGGAACCAGGAAAGGGTTGACGGCGGAGGCGGCC
CGGGAACAGTCGGGTTCGCCATGTCGGGCGGCTGGGGTAGCCCGGGGACGGGCGGGCGGAAGGCGCG
GAGTGGCGGGCGGGTGGCAGGGAAGTCCCGGGCCAGCCCGAGCCCGAGCCCGAGTCCAGCGAAGCCG
GCAGGCGCAGAGCTGCGTCGGGCGTTCTGGAGCGCTGCCTCAGCTCGCCGCTCCGCCGAGTCTTTC
CCCGGGGCGCCCGCCGCTGGCCGTTTCTCTGCTCCGTGGCGCCAGCAGCCGACCCGACCCCGGGG
GAGCAGTTTCTGCTGCCGTTTGGGCGCCGTTCCAGAGCCCGCCTTCCAGCCGACCCGCGCCCTC
TCGGCCGCCCTTCCAGAGTCTGAAGCGGGCGCCGGCGGCGAGCGCCGCGCAAGGCACCCACGGACTGC
GGCTCTGGACCCGCGCCGCGGGAATCAAGAAGCCAAAGGCCATGAGGAAGTTGAGCTTTGCCGATGAG
GTGACCACATCCCTGTCTGGGCTGAAGATCAAGGAGGAGGAGCCCGAGCGCCGTCCCGGGGCTTG
GGGGGACGCCGACGCCACTGGGGGAGTTCATCTGCCAGCTGTGCAAGGAGCAGTACGCAGACCCCTTC
GCGCTGGCCAGCACCGCTGCTCCCGCATCGTGCAGCTAGAGTACCGCTGCCCTGAGTGCACAAGGTG
TTCAGTGTCTCGCAACCTGGCCTCCCATCGCCGCTGGCATAAGCCGCTCCTGCGGCTGCAAACGCC
GCCACAGTCTCTCCGCCGACGGGAAGCCGCTTCTTCGTCGCTTTCGTCCTCCCGGGACTCCGGGGCC
ATTGCATCTTTCTGGCGGAGGGAAGGAGAACAGCCGAATAGAGCGGACTGCGGATCAGCACCCGCGAG
GCCAGGACAGCTCCGGGGCGGATCAGCACCCGGACAGCGCCCGAGGCGAGGGCCCTCCAGGTGCTGACG
CATCCAGAGCCACCGCTGCCTCAGGGCCCTACACGGAGGGGGTGTGGGGCGCCGGGTACCTGTGCCG
GGCAGTACCAGTGGTGGCAGGGGATCCGAGATTTTCGTGTGCCATATTGCCACAAAAAGTTTCGTGCGC
CAAGCCTATCTGCGCAAGCACCTGAGCACTCACAGGCGGGCTCGGCCGCTGCGCTAGCGCCGGGCTTT
GGCTCCGAACGCGGTGCCCACTTGCTTCGCTTGCCATTGTGCGGAGCGCACTTCCCTACAGCAGAT
ATCAGGGAGAAGCACCGGCTGTGGCATGCTGTCCGCGAGGAGTGTCTGCCCCTGTCGGGGGGCT
CCTCCGAAACGTCGGGCCCTAGCGGGCCATCTGACGGGAGTGCCAGCAAATTTTCTGTCGCAAGCAC
TGCCCGTCCACTTTTTTAGCTCTCCAGGGCTGACCCGGCACATCAATAAGTGCCACCCCTCAGAAAGC
CGCAAGTGTGCTGCTGCAGATGCCACTGCGGCTGGCTGCTGA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
```

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_032594
- Insert Size:** 1701 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_032594.3](#)

**RefSeq Size:** 3024 bp

**RefSeq ORF:** 1701 bp

**Locus ID:** 84684

**UniProt ID:** [Q96T92](#)

**Cytogenetics:** 14q13.2

**MW:** 59.5 kDa

**Gene Summary:** May function as a growth suppressor or tumor suppressor in liver cells and in certain neurons.[UniProtKB/Swiss-Prot Function]