

Product datasheet for **SC316757**

ISM1 (NM_080826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISM1 (NM_080826) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISM1
Synonyms:	bA149I18.1; C20orf82; dj1077I2.1; ISM; Isthmin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC316757 representing NM_080826.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGCCTGGCGCCGAGCTGCTGCTGCTGGGGTCTGCTGCTCACGCTGCACATCACCGTG
CTGCGCGGCTCGGGAGCCGCGACGGGCCGACGCGGCCGCGGGCAACGCCAGCCAAGCCAGCTGCAG
AATAACCTCAACGTGGGAAGTGACACCACATCAGAAACCAGCTTTTCTCTCTCCAAAGAAGCACCAGG
GAGCATCTGGACCACCAGGCTGCACACCACCCTTCCCCAGACCGGATTCCGACAAAGAGACGGGGCAC
CCTTCATTGCAAAGAGATTTCCCCAGATCCTTTCTCCTTGATCTACCAAACCTTTCCAGATCTTTCCAAA
GCTGATATCAATGGGCAGAATCCAAATATCCAGGTCACCATAGAGGTGGTCGACGGTCTGACTCTGAA
GCAGATAAAGATCAGCATCCGGAGAATAAGCCCAGCTGGTCAGTCCCATCCCCGACTGGCGGGCCTGG
TGGCAGAGGTCCCTGTCTTGGCCAGGGCAAACAGCGGGACCAGGACTACAAGTACGACAGTACCTCA
GACGACAGCAACTTCTCAACCCCCCAGGGGTGGGACCATACAGCCCCAGGCCACCGGACTTTTGAA
ACCAAAGATCAGCCAGAATATGATTCCACAGATGGCGAGGGTACTGGAGTCTCTGGTCTGTCTGCAGC
GTCACCTGCGGGAACGGCAACCAGAAACGGACCCGGTCTTGTGGCTACGGGTGCACTGCAACAGAATCG
AGGACCTGTGACCGTCCAAACTGCCAGGAATTGAAGACACTTTTAGGACAGCTGCCACCGAAGTGAGT
CTGCTTGGCGGAAGCGAGGAGTTAATGCCACCAAACCTGTTTGAAGTTGACACAGACAGCTGTGAGCGC
TGGATGAGCTGCAAAAGCGAGTTCTTAAGAAGTACATGCACAAGGTGATGAATGACCTGCCAGCTGC
CCCTGCTCCTACCCACTGAGGTGGCCTACAGCACGGCCGACATCTTCGACCGCATCAAGCGCAAGGAC
TTCCGCTGGAAGGACGCCAGCGGGCCCAAGGAGAAGCTGGAGATCTACAAGCCACTGCCCGGACTGC
ATCCGCTCCATGCTGTCCCTGGAGAGCACACGCTGGCGGCACAGCACTGCTGCTACGGCGACAACATG
CAGCTCATCACCAGGGGCAAGGGGGCGGGCACGCCAACCTCATCAGCACCGAGTTCTCCGCGGAGCTC
CACTACAAGGTGGACGTCTGCCCTGGATTATCTGCAAGGGTACTGGAGCAGGATAAACGAGGCCCGG
CCTCCCAACAACGGACAGAAGTGACAGAGAGCCCTCGGACGAGGACTACATCAAGCAGTTCCAAGAG
GCCAGGGAATATTAA
AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
```

Restriction Sites: SgfI-RsrII

Plasmid Map: □

ACCN: NM_080826

Insert Size: 1395 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_080826.1](#)

RefSeq Size: 2610 bp

RefSeq ORF: 1395 bp

Locus ID: 140862

UniProt ID: [B1AKI9](#)

Cytogenetics: 20p12.1

MW: 52.1 kDa

Gene Summary: Acts as an angiogenesis inhibitor.[UniProtKB/Swiss-Prot Function]