

## Product datasheet for **SC333020**

### IST1 (NM\_001270978) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IST1 (NM\_001270978) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** IST1  
**Synonyms:** CHMP8; OLC1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC333020 representing NM\_001270978.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCACAAGCTGAGTGTGGAAGCCCCACCCAAAATCCTGGTGGAGAGATACCTGATTGAAATTGCAAAG
AATTACAACGTACCCTATGAACCTGACTCTGTGGTCATGGCAGAAGCTCCTCTGGGGTAGAGACAGAT
CTTATTGATGTTGGATTACAGATGATGTGAAGAAAGGAGGCCCTGGAAGAGGAGGGAGTGGTGGCTTC
ACAGCACCAGTTGGTGGACCTGATGGAACGGTGCCAATGCCATGCCATGCCATGCCATGCCATCT
GCAAATACGCCTTCTCATATCCACTGCCAAAGGGACCATCAGATTTCAATGGACTGCCAATGGGGACT
TATCAGGCCTTTCCCAATATTCATCCACCTCAGATACCAGCAACTCCCCATCGTATGAATCTGTAGAT
GACATTAATGCTGATAAGAATATCTTCTGCACAGATTGTTGGTCTGGACCCAAGCCAGAAGCCCTCT
GCAAAGCTTCTCCAGACCTGCAGATAACTATGACAACCTTGTCTACCAGAGTTGCCATCTGTGCCA
GACACACTACCAACTGCATCTGCTGGTGGCAGCACCTCAGCATCTGAAGACATTGACTTTGATGATCTT
TCCCGGAGGTTTGAAGAGCTGAAAAAGAAAACA TAG
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001270978  
**Insert Size:** 657 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).  
**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).



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**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\\_001270978.1](#)

**RefSeq Size:** 3667 bp

**RefSeq ORF:** 657 bp

**Locus ID:** 9798

**UniProt ID:** [P53990](#)

**Cytogenetics:** 16q22.2

**MW:** 23.1 kDa

**Gene Summary:** This gene encodes a protein with MIT-interacting motifs that interacts with components of endosomal sorting complexes required for transport (ESCRT). ESCRT functions in vesicle budding, such as that which occurs during membrane abscission in cytokinesis. There is a pseudogene for this gene on chromosome 19. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]  
Transcript Variant: This variant (5) lacks three exons in the coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (e) is shorter than isoform a. Both variants 5 and 6 encode the same isoform (e).  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.