

Product datasheet for **SC333019**

IST1 (NM_001270977) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IST1 (NM_001270977) Human Untagged Clone
Tag: Tag Free
Symbol: IST1
Synonyms: CHMP8; OLC1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC333019 representing NM_001270977.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGGGCTCTGGATTTAAAGCTGAGCGCTTAAGAGTGAATTTGAGATTAGTCATAAATCGCCTTAAA  
CTATTGGAGAAAAAGAAAACGGAAGCTGGCCAGAAAGCAAGGAAGGAGATTGCTGACTATCTGGCTGCT  
GGGAAAGATGAACGAGCTCGGATCCGTGTGGAGCACATTATCCGGGAAGACTACCTCGTGGAGGCCATG  
GAGATCCTGGAGCTGACTGTGACCTGCTGCTGGCTCGGTTTGGCCTTATCCAGTCTATGAAGGAAC  
GATTCTGGTCTGGCTGAATCTGTGTCTACATTGATCTGGGCTGCTCCTCGACTCCAGTCAGAAGTGGCT  
GAGTTGAAAATAGTTGCTGATCAGCTCTGTGCCAAGTATAGCAAGGAATATGGCAAGCTATGTAGGACC  
AACCAGATTGGAAGTGTGAATGACAGGCTAATGCACAAGCTGAGTGTGGAAGCCCAACCCAAAATCCTG  
GTGGAGAGATACCTGATTGAAATTGCAAAGAATTACAACGTACCCATGAACTGACTCTGTGGTCATG  
GCAGAAGCTCCTCCTGGGTAGAGACAGATCTTATTGATGTTGGATTACAGATGATGTGAAGAAAGGA  
GGCCCTGGAAGAGGAGGGAGTGGTGGCTTACAGCACCAGTTGGTGGACCTGATGGAACGGTGCCAAATG  
CCCATGCCATGCCATGCCTATGCCATCTGCAAATACGCCTTTCTCATATCCACTGCCAAAGGGACCA  
GTAGATGACATTAATGCTGATAAGAATATCTCTTCTGCACAGATTGTTGGTCTGGACCCAAGCCAGAA  
GCCTCTGCAAAGCTTCTTCCAGACCTGCAGATAACTATGACAACCTTTGTCTACCAGAGTTGCCATCT  
GTGCCAGACACACTACCAACTGCATCTGCTGGTGGCCAGCACCTCAGCATCTGAAGACATTGACTTTGAT  
GATCTTTCCCGGAGGTTTGAAGAGCTGAAAAAGAAAACA TAG
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001270977
Insert Size: 1008 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).



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_001270977.1](#)

RefSeq Size: 3946 bp

RefSeq ORF: 1008 bp

Locus ID: 9798

UniProt ID: [P53990](#)

Cytogenetics: 16q22.2

MW: 36.6 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 (4) lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (d, also known as hIST1d) is shorter than isoform a. 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.