

Product datasheet for RC201347

IST1 (NM_014761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IST1 (NM_014761) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IST1
Synonyms:	CHMP8; OLC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201347 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGGCTCTGGATTTAAAGCTGAGCGCTTAAGAGTGAATTTGAGATTAGTCATAAATCGCCTTAAAC
TATTGGAGAAAAAGAAAACGGAAGTGGCCAGAAAAGCAAGGAAGGAGATTGCTGACTATCTGGCTGCTGG
GAAAGATGAACGAGCTCGGATCCGTGTGGAGCACATTATCCGGGAAGACTACCTCGTGGAGGCCATGGAG
ATCCTGGAGCTGTACTGTGACCTGCTGCTGGCTCGTTTGGCCTTATCCAGTCTATGAAGGAACTAGATT
CTGGTCTGGCTGAATCTGTGTCTACATTGATCTGGGCTGCTCCTCGACTCCAGTCAGAAGTGGCTGAGTT
GAAAATAGTTGCTGATCAGCTCTGTGCCAAGTATAGCAAGGAATATGGCAAGCTATGTAGGACCAACCAG
ATTGGAAGTGTGAATGACAGGCTAATGCACAAGCTGAGTGTGGAAGCCCCACCAAAATCCTGGTGGAGA
GATACCTGATTGAAATTGCAAAGAATTACAACGTACCCTATGAACCTGACTCTGTGGTCATGGCAGAAGC
TCCTCCTGGGGTAGAGACAGATCTTATTGATGTTGGATTCACAGATGATGTGAAGAAAGGAGGCCCTGGA
AGAGGAGGGAGTGGTGGCTTACAGCACCAAGTGGTGGACCTGATGGAACGGTGCCAATGCCCATGCCCA
TGCCCATGCCTATGCCATCTGCAAATACGCCTTCTCATATCCACTGCCAAAGGGACCATCAGATTTCAA
TGGACTGCCAATGGGACTTATCAGGCCTTCCCAATATTCATCCACCTCAGATACCAGCAACTCCCCCA
TCGTATGAATCTATGACATTAATGCTGATAAGAATATCTCTTCTGCACAGATTGTTGGTCTGGACCCAA
GCCAGAAGCCTCTGCAAAGCTTCCCTCCAGACCTGCAGATAAATATGACAACTTTGTCTACCAGAGTTG
CCATCTGTGCCAGACACACTACCAACTGCATCTGCTGGTCCAGCACCTCAGCATCTGAAGACATTGACT
TTGATGATCTTTCCCGGAGGTTTGAAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014761.4](#)

RefSeq Size: 4035 bp

RefSeq ORF: 1083 bp

Locus ID: 9798

UniProt ID: [P53990](#)

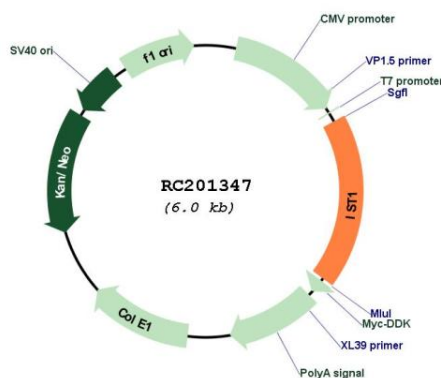
Cytogenetics: 16q22.2

Domains: DUF292

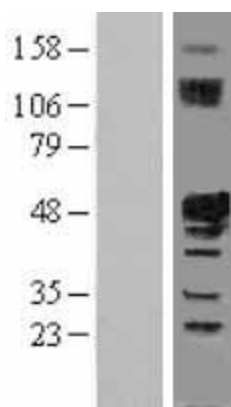
MW: 39.9 kDa

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]

Product images:



Circular map for RC201347



Western blot validation of overexpression lysate (Cat# [LY402372]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201347 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).