

Product datasheet for **SC108161**

VTA1 (NM_016485) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_016485) Human Untagged Clone
Tag:	Tag Free
Symbol:	VTA1
Synonyms:	C6orf55; DRG-1; DRG1; HSPC228; LIP5; My012; SBP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108161 sequence for NM_016485 edited (data generated by NextGen Sequencing)

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ATGGCCCGCTTGCACCGCTGCCCGCTCCCGCACAGTTCAAGAGCATACAGCATCAT
CTGAGGACGGCTCAGGAGCATGACAAGCGAGACCCTGTGGTGGCTTATTACTGTCGTTTA
TACGCAATGCAGACTGGAATGAAGATCGATAGTAAACTCCTGAATGTCGCAAAATTTTAA
TCAAAGTTAATGGATCAGTTAGAAGCTCTAAAGAAGCAGTTGGGTGATAATGAAGCTATT
ACTCAAGAAATAGTGGGCTGTGCCATTTGGAGAATTATGCTTTGAAAATGTTTTGTAT
GCAGACAATGAAGATCGTGTGGACGATTTACAAAAACATGATCAAGTCCTTCTATACT
GCAAGTCTTTTGTAGATGTCATAACAGTATTTGGAGAACTCACTGATGAAAATGTGAAA
CACAGGAAGTATGCCAGATGGAAGGCAACATACATCCATAATTGTTTAAAGAATGGGGAG
ACTCCTCAAGCAGGCCCTGTTGGAATTGAAGAAGATAATGATATTGAAGAAAATGAAGAT
GCTGGAGCAGCCTCTCTGCCCACTCAGCCAACCTCAGCCATCATCATCTTCAACTTATGAC
CCAAGCAACATGCCATCAGGCAACTATACTGGAATACAGATTCCTCCGGGTGCACACGCT
CCAGCTAATACACCAGCAGAAGTGCCTCACAGCACAGGTGTAGCAAGTAATACTATCCAA
CCTACTCCACAGACTATACCTGCCATTGATCCCGCACTTTTCAATACAATTTCCAGGGG
GATGTTTCGTCTAACCCAGAAAGACTTTGCTAGAGCTCAGAAGTACTGCAAATATGCTGGC
AGTGCTTTGCAGTATGAAGATGTAAGCACTGCTGTCCAGAATCTACAAAAGGCTCTCAAG
TTACTGACGACAGGCAGAGAATGA

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Clone variation with respect to NM_016485.3
264 a=>c;654 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016485 unedited
TCAAATTTTGTAAACGAACTACTATAGGGCGGCCGGAATTCGCACGAGGTTCCGGAGT
AGAGATGGCCGCGCTTGCACCGCTGCCCCGCTCCCCGCACAGTTCAAGAGCATACAGCA
TCATCTGAGGACGGCTCAGGAGCATGACAAGCGAGACCCTGTGGTGGCTTACTACTGTGC
TTTATACGCAATGCAGACTGGAATGAAGATCGATAGTAAACTCCTGAATGTCGCAAATT
TTTATCAAAGTTAATGGATCAGTTAGAAGCTCTAAAGAAGCAGTTGGGTGATAATGAAGC
TATTACTCAAGAAATAGTGGGCTGTGCCATTTGGAGAATTATGCTTTGAAAATGTTTTT
GTATGCAGACAATGAAGATCGTGTGGACGATTTCAAAAAACATGATCAAGTCCTTCTA
TACTGCAAGTCTTTTGTAGATGTCATAACAGTATTTGGAGAACTCACTGATGAAAATGT
GAAACACAGGAAGTATGCCAGATGGAAGGCAACATACATCCATAATTGTTTAAAGAATGG
GGAGACTCCTCAAGCAGGCCCTGTTGGAATTGAAGAAGATAATGATATTGAAGAAAATGA
AGATGCTGGAGCAGCCTCTCTGCCCACTCAGCCAACCTCAGCCATCATCATCTTCAACTTA
TGACCAAGCAACATGCCATCAGGCAACTATACTGGAATACAGATTCTCCGGGTGCACA
CGCTCCAGCTAATACACCAGCAGAAGTGCCTCCAGCACAGGTGTAGCAAGTATACTATCC
AACCTACTCCACANATACCTGNCATTGATCCCGCACTTTTCAATACATTTCCCAGGG
GATGTTCTGCTAACCCAGAGACTTGTAGAGCTCAGAGTACTGCAATATGCTGGCAGGC
TTTGCATATGAAGAGTAGCACTGTGTCCAGATCTACAAAGCTCTCAGTACTGACACAGC
AGGATGAAGCCTTGATGACGACCAGTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_016485 unedited
CGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGTACATCAGAACACATCT
CCTAATTTTATTTAAGATTTTATAGGAAAAATACAAATACAAAGTTAACAAACATTGTA
TAGTTCAATCCCCTCATGCAAGAAGGCGTTTTTAAAGCACTGGGCCACATAGACAAGTGGG
ATTTCTGATATTAGGAAATAAATTATTAACAATTTACATTATTAGAGCATTAGTATTG
ACACTAAACATTTATGAAATGCTACCATGCGCTAAGCACTTCAGGTACTGTATCTTTTT
AATTCTTGTAACTATTGAGATGGCTAGTGGTGTCAATTTCCATTTTACAGAGAAGGGCTCT
GTCACACCATGCAGCCCACTACCAGCGGACTCCGTAGTTTCTATATTGTCTCCTTCCCTC
TATGTGCTCTCCCAATTGGGAACCAGAAGGTAGGTATAAAAATAGGAGGTGATGCGTTTA
CTTTTCAGTGTCCAGGCATATCAAGGTTTGAATTAATAATTTGCTGAACATCATGTAACAC
TAAAGGTCATCTGGCCATCTTTCTATTTCGTAATAACATTCTAAGAGCATTGGATTCTT
AGATGCAAAATGTGAACCCTACAAATGTTCACTCTTTGTAAGATAGGAAAATGTTTT
TTTAGGAGGCATGTTGTTGGGGACTTTTTTTGTGAGAATTANAACGTTTANTCAGTCTGA
TATTTATTCTACCANACCCTGTCAATAGCATTACATTTATGCANGAAATATGGATATAA
TGATTATGAAGTAGTGATTTTGTTTTTTCCCAAAGGCCTTAGACTANGTGTCTTAACTTT
TCTTAAAGGGCAATAAGTAATGGTTTAGACTTGCAGCCATACACTTCTGCAGTGTGGAAG
CCCCCGGACAACCTTATGAATGATGTAGGCT

Restriction Sites:

NotI-NotI

ACCN:

NM_016485

Insert Size:

2930 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:	<ol style="list-style-type: none">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_016485.3 , NP_057569.2
RefSeq Size:	3273 bp
RefSeq ORF:	924 bp
Locus ID:	51534
UniProt ID:	Q9NP79
Cytogenetics:	6q24.1-q24.2
Domains:	DUF605
Protein Pathways:	Endocytosis
Gene Summary:	<p>C6ORF55 encodes a protein involved in trafficking of the multivesicular body, an endosomal compartment involved in sorting membrane proteins for degradation in lysosomes (Ward et al., 2005 [PubMed 15644320]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p>