

## Product datasheet for **SC335033**

### VTA1 (NM\_001286371) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_001286371) Human Untagged Clone
Tag:	Tag Free
Symbol:	VTA1
Synonyms:	C6orf55; DRG-1; DRG1; HSPC228; LIP5; My012; SBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286371, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCGCTTGCACCGCTGCCCCGCTCCCGCACAGTTCAAGAGCATACAGCATCATCTGAGGACGG
CTCAGGAGCATGACAAGCGAGACCTGTGGTGGCTTATTACTGTCGTTTATACGCAATGCAGACTGGAAT
GAAGATCGATAGTAAACTCCTGAATGTCGCAATTTTTATCAAAGTTAATGGATCAGTTAGAAGCTCTA
AAGAAGCAGTTGGGTGATAATGAAGCTATTACTCAAGAAATAGTGGGCTGTGCCATTTGGAGAATTATG
CTTTGAAAATGTTTTGTATGCAGACAATGAAGATCGTGTGGACGATTTACAAAAACATGATCAAGTC
CTTCTATACTGCAAGTCTTTTGATAGATGTCATAACAGTATTTGGAGAACTCACTGATGAAAATGTGAAA
CACAGGAAGTATGCCAGATGGAAGGCAACATACATCCATAATTGTTTAAAGAATGGGGAGACTCCTCAAG
CAGGCCCTGTTGGAATTGAAGAAGATAATGATATTGAAGAAAATGAAGATGCTGGAGCAGCTCTCTGCC
CACTCAGCCAACCTCAGCCATCATCATCTTCAACTTATGACCCAAGCAACATGCCATCAGGCAACTATACT
GGAATACAGATTCTCCGGGTGCACACGCTCCAGCTAATACACCAGCAGAAGTGCCTCACAGCACAGGGG
ATGTTTCGTCTAACCCAGAAAGACTTTGCTAGAGCTCAGAAGTACTGCAAAATATGCTGGCAGTGCTTTGCA
GTATGAAGATGTAAGCACTGCTGTCCAGAATCTACAAAAGGCTCTCAAGTTACTGACGACAGGCAGAGAA
TGA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001286371
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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001286371.1, NP_001273300.1</u>
<b>RefSeq Size:</b>	3290 bp
<b>RefSeq ORF:</b>	843 bp
<b>Locus ID:</b>	51534
<b>UniProt ID:</b>	<u>Q9NP79</u>
<b>Cytogenetics:</b>	6q24.1-q24.2
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	<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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>