

Product datasheet for **RC236691**

VTA1 (NM_001286372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_001286372) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VTA1
Synonyms:	C6orf55; DRG-1; DRG1; HSPC228; LIP5; My012; SBP1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC236691 representing NM_001286372 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAAGCGAGACCCTGTGGTGGCTTATTACTCTAAAGAAGCAGTTGGGTGATAATGAAGCTTACTC
AAGAAATAGTGGGCTGTGCCATTTGGAGAATTATGCTTTGAAAATGTTTTGTATGCAGACAATGAAGA
TCGTGCTGGACGATTTACAAAAACATGATCAAGTCCTTCTATACTGCAAGTCTTTTGATAGATGCATA
ACAGTATTTGGAGAACTCACTGATGAAAATGTGAAACACAGGAAGTATGCCAGATGGAAGCAACATACA
TCCATAATTGTTAAAGAATGGGAGACTCCTCAAGCAGGCCCTGTTGGAATTGAAGAAGATAATGATAT
TGAAGAAAATGAAGATGCTGGAGCAGCCTCTGCCCCTCAGCCAACCTCAGCCATCATCATCTTCAACT
TATGACCCAAGCAACATGCCATCAGGCAACTATACTGGAATACAGATTCTCCGGGTGCACACGCTCCAG
CTAATACACCAGCAGAAGTGCCTCACAGCACAGGGGATGTTTCGTCTAACCCAGAAAGACTTTGCTAGAGC
TCAGAAGTACTGCAAATATGCTGGCAGTGCTTTGCAGTATGAAGATGTAAGCACTGCTGTCCAGAATCTA
CAAAGGCTCTCAAGTACTGACGACAGGCAGAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC236691 representing NM_001286372
 Red=Cloning site Green=Tags(s)

MTSETLWWLITLKKQLGDNEAITQEIVGCAHLENYALKMFLYADNEDRAGRFRHKNMIKSFYASLLIDVI
 TVFGELTDENVKHKRYARWKATYIHNCLKNGETPQAGPVGIEEDNDIEENEDAGAASLPTQPTQPSSSST
 YDPSNMPSGNYTGIQIPPGAHPANTPAEVPHSTGDVRLTPEDFARAQKYCKYAGSALQYEDVSTAVQNL
 QKALKLLTTGRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

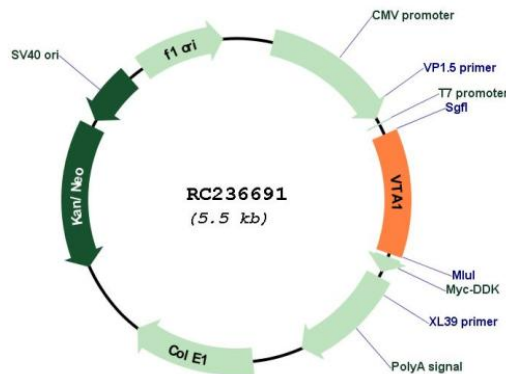
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001286372

ORF Size: 666 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001286372.1 , NP_001273301.1
RefSeq Size:	3195 bp
RefSeq ORF:	669 bp
Locus ID:	51534
UniProt ID:	Q9NP79
Cytogenetics:	6q24.1-q24.2
Protein Pathways:	Endocytosis
MW:	25 kDa
Gene Summary:	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]