

Product datasheet for **RG236691**

VTA1 (NM_001286372) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_001286372) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VTA1
Synonyms:	C6orf55; DRG-1; DRG1; HSPC228; LIP5; My012; SBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236691 representing NM_001286372. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACAAGCGAGACCCTGTGGTGGCTTATTACTCTAAAGAAGCAGTTGGGTGATAATGAAGCTATTACT
CAAGAAATAGTGGGCTGTGCCATTTGGAGAATTATGCTTTGAAAATGTTTTGTATGCAGACAATGAA
GATCGTGCTGGACGATTCACAAAACATGATCAAGTCCTTCTATACTGCAAGCTTTTTGATAGATGTC
ATAACAGTATTTGGAGAACTCACTGATGAAAATGTGAAACACAGGAAGTATGCCAGATGGAAGGCAACA
TACATCCATAATTGTTTAAAGAATGGGGAGACTCCTCAAGCAGGCCCTGTTGGAATTGAAGAAGATAAT
GATATTGAAGAAAATGAAGATGCTGGAGCAGCCTCTGCCCACTCAGCCAACTCAGCCATCATCATCT
TCAACTTATGACCAAGCAACATGCCATCAGGCAACTATACTGGAATACAGATTCCCTCCGGGTGCACAC
GCTCCAGCTAATACACCAGCAGAAGTGCCTCACAGCACAGGGGATGTTTCGTCTAACCCCAAGACTTT
GCTAGAGCTCAGAAGTACTGCAAAATGCTGGCAGTGCTTTGCAGTATGAAGATGAAGCACTGCTGTC
CAGAATCTACAAAAGGCTCTCAAGTTACTGACGACAGGCAGAGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236691
 Blue=ORF Red=Cloning site Green=Tag(s)

MTSETLWWLITLKKQLGDNEAITQEIVGCAHLENYALKMFLYADNEDRAGRFRHKNMIKSFYASLLIDV
 ITVFGELTDENVKHKRYARWKATYIHNLKNGETPQAGPVGIEEDNDIEENEDAGAASLPTQPTQPSS
 STYDPSNMPSGNYTGIQIPPGAHPANTPAEVPHSTGDVRLTPEDFARAQKYCKYAGSALQYEDVSTAV
 QNLQKALKLLTTGRE
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPED
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



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).

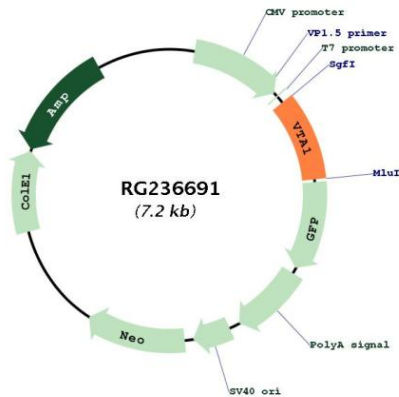
RefSeq: [NM_001286372.1](#), [NP_001273301.1](#)

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]

Product images:



Circular map for RG236691