

Product datasheet for **RG237139**

VTA1 (NM_001286371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_001286371) 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:	>RG237139 representing NM_001286371. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCGCTTGACCGCTGCCCCGCTCCCGCACAGTTCAAGAGCATACAGCATCATCTGAGGACG
GCTCAGGAGCATGACAAGCGAGACCCTGTGGTGGCTTATTACTGTCGTTTATACGCAATGCAGACTGGA
ATGAAGATCGATAGTAAACTCCTGAATGTCGCAAATTTTATCAAAGTTAATGGATCAGTTAGAAGCT
CTAAAGAAGCAGTTGGGTGATAATGAAGCTATTACTCAAGAAATAGTGGGCTGTGCCATTTGGAGAAT
TATGCTTTGAAAATGTTTTGTATGCAGACAATGAAGATCGTGTGGACGATTTCAAAAAACATGATC
AAGTCCTTCTACTGCAAGTCTTTTGATAGATGTCATAACAGTATTTGGAGAACTCACTGATGAAAAT
GTGAAACACAGGAAGTATGCCAGATGGAAGGCAACATACATCCATAATTGTTAAAGAATGGGGAGACT
CCTCAAGCAGGCCCTGTTGGAATTGAAGAAGATAATGATATTGAAGAAAATGAAGATGCTGGAGCAGCC
TCTCTGCCACTCAGCCAACTCAGCCATCATCATCTTCACTTATGACCCAAGCAACATGCCATCAGGC
AACTATACTGGAATACAGATTCTCCGGGTGCACACGCTCCAGCTAATACACCAGCAGAAGTGCCTCAC
AGCACAGGGGATGTTTCGTCTAACCCAGAAGACTTTGCTAGAGCTCAGAAGTACTGCAAATATGCTGGC
AGTGCTTTGCAGTATGAAGATGTAAGCACTGCTGTCCAGAATCTACAAAAGGCTCTCAAGTTACTGACG
ACAGGCAGAGAA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237139
 Blue=ORF Red=Cloning site Green=Tag(s)

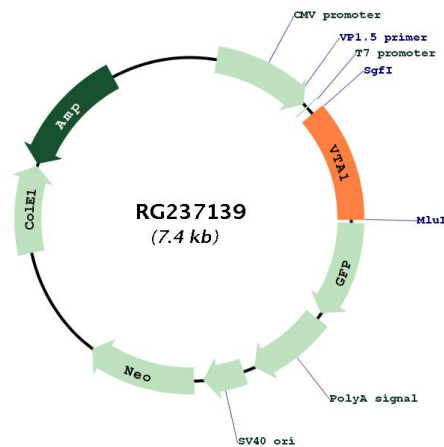
MAALAPLPLPAQFKSIQHHLRTAQEHDKRDPVVAYYCRLYAMQTGMKIDSKTPECRKFLSKLMDQLEA
 LKKQLGDNEAITQEIVGCAHLENYALKMFLYADNEDRAGRFRHKNMIKSFYASLLIDVITVFGELTDEN
 VKHRKYARWKATYIHNCLKNGETPQAGPVGIEEDNDIEENEDAGAASLPTQPTQPSSSSYDPSNMP
 NYTGIQIPPGAHPANTPAEVPSTGDVRLTPEDFARAQKYCKYAGSALQYEDVSTAVQNLQKALKLLT
 TGRE
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286371

ORF Size:	840 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_001286371.1 , NP_001273300.1
RefSeq Size:	3290 bp
RefSeq ORF:	843 bp
Locus ID:	51534
UniProt ID:	Q9NP79
Cytogenetics:	6q24.1-q24.2
Protein Pathways:	Endocytosis
MW:	31.6 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]