

Product datasheet for **RG205442**

VTA1 (NM_016485) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTA1 (NM_016485) 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:	>RG205442 representing NM_016485 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGCGCTTGCACCGCTGCCCCGCTCCCGCACAGTTCAAGAGCATACAGCATCATCTGAGGACGG
CTCAGGAGCATGACAAGCGAGACCCTGTGGTGGCTTATTACTGTCGTTTATACGCAATGCAGACTGGAAT
GAAGATCGATAGTAAACTCCTGAATGTCGCAATTTTTATCAAAGTTAATGGATCAGTTAGAAGCTCTA
AAGAAGCAGTTGGGTGATAATGAAGCTATTACTCAAGAAATAGTGGGCTGTGCCATTTGGAGAATTATG
CTTTGAAAATGTTTTGTATGCAGACAATGAAGATCGTGCTGGACGATTTCAAAAAACATGATCAAGTC
CTTCTATACTGCAAGCTTTTGATAGATGTCATAACAGTATTTGGAGAACTCACTGATGAAAATGTGAAA
CACAGGAAGTATGCCAGATGGAAGGCAACATACATCCATAAATTGTTTAAAGAATGGGGAGACTCCTCAAG
CAGGCCCTGTTGGAATTGAAGAAGATAATGATATTGAAGAAAATGAAGATGCTGGAGCAGCCTCTCTGCC
CACTCAGCCAACCTCAGCCATCATCATCTTCAACTTATGACCCAAGCAACATGCCATCAGGCAACTATACT
GGAATACAGATTCTCCGGGTGCACACGCTCCAGCTAATACACCAGCAGAAGTGCCTCACAGCACAGGTG
TAGCAAGTAATACTATCCAACCTACTCCACAGACTATACCTGCCATTGATCCCGCACTTTTCAATACAAT
TTCCCAGGGGGATGTTTCGCTAACCCAGAAAGACTTTGCTAGAGCTCAGAAGTACTGCAAAATATGCTGGC
AGTGCTTTGCAGTATGAAGATGTAAGCACTGCTGTCCAGAATCTACAAAAGGCTCTCAAGTTACTGACGA
CAGGCAGAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205442 representing NM_016485
Red=Cloning site Green=Tags(s)

MAALAPLPLPAQFKSIQHHLRTAQEHDKRDPVVAYYCRLYAMQTGMKIDSKTPECRKFLSKLMDQLEAL
 KKQLGDNEAITQEIVGCAHLENYALKMFLYADNEDRAGRFRHKNMIKSFYASLLIDVITVFGELTDENVK
 HRKYARWKATYIHNCLKNGETPQAGPVGIEEDNDIEENEDAGAASLPTQPTQPSSSSTYDPSNMPSGNYT
 GIQIPPGAHAPANTPAEVPFHSTGASNTIQPTPQTIPAIDPALFNTISQGDVRLTPEDFARAQKYCKYAG
 SALQYEDVSTAVQNLQKALKLLTTGRE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016485

ORF Size: 921 bp

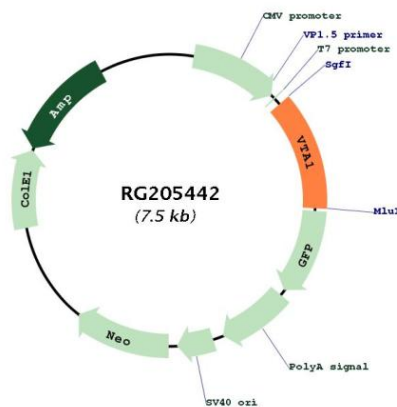
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_016485.5
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:	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 RG205442