

Product datasheet for **MC202859**

Vta1 (NM_025418) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vta1 (NM_025418) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vta1
Synonyms: 1110001D18Rik; 1110059P08Rik; AU040813; C85340; LIP5; SBP1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC026752 sequence for NM_025418
GTAGCGCTTCCGGGAGTGGAGATGGCCGCGCTGGCCCCCTCTGCCGCCGCTGCCCGCGCAGTTTAAGAGCA
TACAGCACCATTTGAGAACGGCGCAGGAGCATGACAAGCGGGACCCCGTGGTGGCCTACTACTGTGCTTT
ATATGCTATGCAAACTGGAATGAAGATTGATAGTAAAACCTCTGAGTGTGTAATTTTTATCAAAGCTA
ATGGATCAGTTAGAAGCTCTTAAAAAACAGTTGGGGGATAATGAAGCTGTTACTCAAGAAATAGTTGGTT
GTGCCATTTGGAAAATTATGCTTTGAAAATGTTCTTGTATGCAGACAATGAAGATCGAGCTGGACGATT
TCACAAAAACATGATCAAGTCCTTCTACACTGCCAGCCTTTTAATAGATGTCATCACAGTGTGGTGAA
CTCACAGATGAAAATGTGAAACATAGAAAGTATGCAAGGTGGAAGGCAACATATATTCATAACTGCTTAA
AGAATGGGAGACTCCTCAAGCAGGCCCTGTTGGAATAGAGGAAGAGAATGATGTTGAAGAAAATGAAGA
TGTTGGCGCAACCTCTCTGCCACTCAGCCACCTCAGCCATCATCATCTTCAGCATAACGCCAAGCAAC
TTGGCACCAGGCAGCTACAGTGGCATAACAGATTCTCCAGGTGCACATGCTCCAGCTAATACCCCTGCAG
AAGTGCCACACAGCACAGGTGTAAACAGTAATGCCGTCCAGCCTAGTCCACAGACTGTCCAGCTGCTCC
AGCTGTTGATCCTGACCTGTACACAGCTTCCCAGGGGATATCCGCTGACCCCGGAGGACTTCGCTAGA
GCTCAGAAGTACTGCAAGTATGCTGGCAGTGCCTGCAGTATGAAGATGTGGGCACCGCTGTGCAGAACC
TCCAGAAGGCCCTCAGGCTGCTGACCACAGGCAGGGAGTGAAGCCTCTGTTACGGAAAGCCAGTGTTTTC
CGCATAGAGAATAACAGTCCGTTACACTTTCTCAGCCTTCAGGAGCAGGGGACTACAGAAGGCCCTCAG
TTCCCCGAGGAAGACAATGACTCCTGTGTGGTTTACAAGCATTACCAGCTGCCTCAGCCAGTTGTCATT
GAGTGTGTAGAGCTGATGCTAGCATCGAACCCGCTGTGAAATGTCCCTGTAGAAAATCATGTTGGGTATA
ATATGCTTTCTTAATTTATACACACTAAAGGAAGTTTTTGAAGATCTGTAATATTTGGACAAAACAACC
ATATTATGTTGCTTTAATATTCTAAATTAACCTTTTAATAAAGATTACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_025418
Insert Size: 930 bp



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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).
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:	BC026752 , AAH26752
RefSeq Size:	1323 bp
RefSeq ORF:	930 bp
Locus ID:	66201
UniProt ID:	Q9CR26
Cytogenetics:	10 A2
Gene Summary:	Involved in the endosomal multivesicular bodies (MVB) pathway. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. Thought to be a cofactor of VPS4A/B, which catalyzes disassembles membrane-associated ESCRT-III assemblies (By similarity). Involved in the sorting and down-regulation of EGFR. [UniProtKB/Swiss-Prot Function]