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Product datasheet for SC309124

VTI1A (NM_145206) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VTI1A (NM_145206) Human Untagged Clone
Tag:	Tag Free
Symbol:	VTI1A
Synonyms:	MMDS3; MVti1; Vti1-rp2; VTI1RP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_145206 edited
GTTGAGAGCTGTCCCCGGTTCTCCGTTCTGCTCTCGGGGGCACCTTCCGGGGTTCCTAAG
CCGCGGGGCCCCTCGCTGCCCCTCGAGGCCCTTTCCCTGACCTAGGCTTTGGCCTGGGCT
ACTCGTTCCGGAGCCGCCATGTCGTCCGACTTCGAAGGTTACGAGCAGGACTTCGCGGTG
CTCACTGCAGAGATCACCAGCAAGATTGCGAGGGTCCCACGACTCCCGCCTGATGAAAAG
AAACAGATGGTTGCAAATGTGGAGAAACAGCTTGAAGAAGCGAAAGAACTGCTTGAACAG
ATGGATTTGGAAGTCCGAGAGATACCACCCCAAAGTCGAGGGATGTACAGCAACAGAATG
AGAAGCTACAAACAAGAAATGGGAAAACTCGAAACAGATTTTAAAAGGTCACGGATCGCC
TACAGTGACGAAGTACGGAATGAGCTCCTGGGGGATGATGGGAATTCCTCAGAGAACCAG
AGGGCACATCTGCTCGATAACACAGAGAGGCTGGAAAGGTCATCTCGGAGACTAGAGGCT
GGATACCAAATAGCAGTGGAAACCGAGCAAATTGGTCAGGAGATGTTGGAAAACCTTAGT
CATGACAGAGAAAAGATACAGCGAGCACGTGAAAGACTTCGGGAAACAGATGCTAATTTG
GGAAAAAGCTCCAGGATTCTGACAGGGATGTTGCGAAGAATCATCCAGAACCGCATCCTG
CTCGTCATCCTAGGGATCATCGTGGTCATCACCATCCTGATGGCGATCACTTTTTCTGTC
AGAAGACACTGATGTATCTGCTCTCCCTTGATAAACAGCAACAACAGCTTGTTCTGAGTA
ATTAAGACAAAATGGTCACATGAATCATTCTGTTGCGCTGACAGGCCCCAGGTGACCCTC
TCTCTCCCTCACCGCCGTTGGGCTGAAGTGCAAAGAGTGTAAAAATATTTTCTATTCCTG
TTTGCATGTGGGTTGGTTTCCTTTTCGAGGTTTGTCTTCACCCAGATTCGTTTTTTAGAG
GGGAAGGTGAATGTTTATTTACCTTTTTGCTAATGTCATCAACTAGCCAAAATAGCCCCA
GTGACACTCCTAGCCCTCTGGACGTGTCAAGGGCCGTGGTTTGGGAGAGGACATGATGAG
TCAGTCACGAGAGCTTCTGTTTGTCACCCGCCTCTTGTTGCTGAAAAGCTCTTCTGTGAT
GTCTGAGGATAAAAATGCAGCAAAAAGCAGGGGATGGAGTCAGTGACCCCGTCCAGCAAG
CCAGCCCTGTTCCTACACAGGCCTCATGAATATAGTCATCAACCTGCCTGAGTGCTTTCA
TTGTAAAGGTCGGTATTTAATGTCGGTTGTACAGGAAATTGACTTAGCACTTTCCCTGTT
TTTCTATTGCATAATTTTTTTTTTAACCCAAAGATATTTTTTTTGCTGAGCCTGCCCAGT
ATTCACTGTTCACAACTTTGATTACTGGCTACAAGAAATATTTTCTTGCCTTCCCCAAAT
CCCATACTCCCCAGAATCTGCTGGCAAAGTGAGCCCTGGTACAGGATTTAATTGTGACCT
CGTCTTCCCTGACCTGTGTAAGCATCTCTGTATCCTTTCGGTTTTAATATCTGCACTGCC
AAAAGCAGTCCTCATACTTGCAAAAGGTCTGACAAGGTTCTCTCCACATACATTCCAGTA
TGTAAAGAGACCATGAATATTTCAGTAAGAGCAAGAACATGACTCCATCAGTGTGAAATT
TCAAATGTGATTATAAATATGGGAGAGTCCTATAGGAGGGTCCACCAGAGATAAACTTCA
CGGAAAACGTTCCCTAACCTCCTTTAAAAGAATAGAGGATGGCAGATTGTTCCAAAAGGA
ATGGCTTGGGTTTTTAACTAACAAATGTTAGCAAGCCTTTCTTGAATTCACTATGTATTC
AAACTTCTAATATGCTTTGTGATTTTTTTCTTTCATTTCTTTCTGTCTGAGGTAACCAGG
AATTGCGTTCAAAATGAGCTCATTTGTGATCAGGCTTAAAAGTTGCCCAAGCTGAGGTCG
TTTCCCCCCAGTCACAAAGCAGAATGTTTTTCTCAAGACTTCATAGGCACTTACTGGTCC
GTACTATCTTTGGAATATAATTAGAAGCTTTGAATCCTTGAAAAGCAAACCTGTTCTCTT
CATCAAAAATGCTAACCACCTGTGCCCGTGGATCAATATCACCTGGATGTAGTGCTTGAT
ATTTTTCCCAACTCAGAAGAAAACCATTATGGTTTAGAGAGGAAATGCAGAATGGCAGAA
TCCACCAGAGAAATTGCACTTATCGAAACAGGCCAAGGCCTGCATGTGTTCGGATAAATC
ATTTAGTATTGTGTAAATAAAGCTGCAGCCTTTACTTCGGAGGGATGGTGTGGGATTTTG
GCTGAGGGAAGCAGGACAGAGAAGGAGCAGGAAGCTATGCTAATTTTCCTGTC

Restriction Sites: Please inquire

ACCN: NM_145206

Insert Size: 2500 bp

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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_145206.1.
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:	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_145206.1, NP_660207.1
RefSeq Size:	1741 bp
RefSeq ORF:	612 bp
Locus ID:	143187
UniProt ID:	Q96AJ9
Cytogenetics:	10q25.2
Domains:	V-SNARE
Protein Families:	Transmembrane
Protein Pathways:	SNARE interactions in vesicular transport
Gene Summary:	The protein encoded by this gene is a member of the family of soluble N-ethylmaleimide-sensitive fusion protein-attachment protein receptors (SNAREs) that function in intracellular trafficking. This family member is involved in vesicular transport between endosomes and the trans-Golgi network. It is a vesicle-associated SNARE (v-SNARE) that interacts with target membrane SNAREs (t-SNAREs). Polymorphisms in this gene have been associated with binocular function, and also with susceptibility to colorectal and lung cancers. A recurrent rearrangement has been found between this gene and the transcription factor 7-like 2 (TCF7L2) gene in colorectal cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.