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Product datasheet for SC216188

VAMP2 (NM_014232) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	VAMP2 (NM_014232) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	VAMP2
Synonyms:	NEDHAHM; SYB2; VAMP-2
ACCN:	NM_014232
Insert Size:	1736 bp

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Insert Sequence:

>SC216188 3'UTR clone of NM_014232
The sequence shown below is from the reference sequence of NM_014232. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATCATCATCATAGTTTACTTCAGCACTTAAATCCCCGAGGAGTCTGCCCTGCCTAGAGAAGGGCCTCTC
CCCCAACCCTCAGCCGTTCCTCCACCTCTCAGCCATATCTTTCAGCCCCCACTCCCCTGGATCCGTGTG
TGTGTGTGTCCGTGTGTGTGTCCCCCTGTAAATAGCCAGCTGTTATTTATACATATATAATATTATATA
TATTTGGTCTGTTTGTAGTTTTATTACTAGATGATTTTTCCGGTTGTCCTTAACACCCCTTCCTGAGGT
TCCCTTCACCCCTCTCTCTTGCCTTCCTTCCCTTTCCCTTTCTTCCTGACTAGCCCCAAGTCCCTTCAT
TTGCATCTGCTATGCAATAGTCCCTCTCCTTTCCTTCTTCTTCCCTCAGATTTAGCTGATCCTTCCTCC
CACCCTGGCCTTCCTTTCCTCTTTCCTCCTCACTCTCCCCGTCATGCTCCCTCTGCCCCGCCCTCAAAA
AAAAAAAAAAAAAAAAAAAAACAACAGCACCTGTCCAGGCTTCCTTAGGTACATCTTCTTTGTATCCAT
TGGGAGGCTCTGAGACTGGCCCCACTTGGTCCTAAGAATCCCAAGGTCTTTGGGAGCGTCCAGCATGTT
AATTAGCGTATCATTACATACTGCTATCCCTTTCCATTTCTTTTTGTTCCATCACTCTTCTCTCAACCT
GTGTTTCTTTTTTTACTGAGGAGTTAGTCCCCATTAGTTCTTGTATCACATTTTCATTTGCACGACATT
ACTCGCAGGTGGTGGGGAGCCTGGGCTTTTGGGGAACCAGGCTGCTCTGGTCCCCAGCATTGCCTCCTC
CTAGCCCCTCTAGTCCAGTTTGCCTCCCTTACCCTCATTTTCCAAACCTCTTGTACCCTCCTCTCCCTC
CCCCAGCTGGTATGTAAGTGTCTTGAAGTTCAGTATGTTATGATGGACCAATAATTCTGCCACTTCGGG
TTTCTCCCTACATTCCTGCTCCCCAGTTTTCATGTGGGGTACTCAACTGACATTCCCATGGGGTTTCCC
TCCCATCTGCCTGATCCACCTCCTCCTCCCACCAGGAGAGTTGGGGGTTGGCCACAATTGATCTCTTGT
GAGAGGGGTGGCTACCAGTGTGTGTGTGGGGGTCATCACTGCCTTGGGGAGGAGTGGGGCAGGGCAGAG
AATCCCCCCAATTCCTGCCTGAAATCTCTGGCCTCACCCCTGCTGGGGGTTGGACTGAAAACCCTCCTC
CCCAATTTGGGGGGTGTTGCCCCATCACTGCCCAGCTCCTCTGACTGCCCCCCCTGAATTTAGGGTGGG
GGTACTAGTCACTGCCAATGTGTGTATGGGACTTGCTGGAAAACGGGGATGCTTGCCCCTCTCCAGGAC
TATTGAGCCCAGAGAGAGCTGTCCTCTCATTGGGTGAACTGATTGAGGAAGGGTCTATTGTCTTTTTAA
ATGGCACAATTTTAAGGGTTTGAGGGTACAGTCCCTTAACCTGCCACGGGAGGGGGCCCCCAAACTTTC
TTCCCCCCACACTTCTGGTTTTCTGTGTGGAGGGGGAGCAGGGATATCTAAGCTGTGGTGTGAAAGGGT
AGGAGAGATGCTGGAGGTGGGGGTGCTGTGTTTTAGACCCCCCATATTATCCCAGTGTCCCCTGCCCCC
CTCTTCCCCCACCCCATGCCCCCAATTCTGTGGCGCATCCAGATTGTGAAAATGTACAATAAATGTGTA
ATGAGTAACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_014232.3

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Summary: The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. This gene is thought to participate in neurotransmitter release at a step between docking and fusion. The protein forms a stable complex with syntaxin, synaptosomal-associated protein, 25 kD, and synaptotagmin. It also forms a distinct complex with synaptophysin. It is a likely candidate gene for familial infantile myasthenia (FIMG) because of its map location and because it encodes a synaptic vesicle protein of the type that has been implicated in the pathogenesis of FIMG. [provided by RefSeq, Jul 2008]

Locus ID: 6844

MW: 64.1

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