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Product datasheet for SC210032

SERCA2 (ATP2A2) (NM_001681) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	SERCA2 (ATP2A2) (NM_001681) Human 3' UTR Clone
Symbol:	SERCA2
Synonyms:	ATP2B; DAR; DD; SERCA2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001681
Insert Size:	786 bp
Insert Sequence:	>SC210032 3' UTR clone of NM_001681 The sequence shown below is from the reference sequence of NM_001681. The complete sequence of this clone may contain minor differences, such as SNPs. Red=Cloning site Blue=Stop Codon CAATTGGCAGAGCTCAGAATTCAAGCGATCGC CAACTACCTGGAACCTGCAATACTGGAGTAACCGCTTCCTAAACCATTTTGCAGAAATGTAAGGGTGTTC GGTTGCGTGCATGTGCGTTTTTAGCAACACATCTACCAACCCTGTGCATGACTGATGTTGGGGAAAAAGA AAAGTAAAAAACTTCCCAACTCACTTTGTGTTATGTGGAGGAAATGTGTATTACCAATGGGGTTGTTAGC TTTTAAATCAAAATACTGATTACAGATGTACAATTTAGCTTAATCAGAAAGCCTCTCCAGAGAAGTTTGG TTTCTTTGCTGCAAGAGGAATGAGGCTCTGTAACCTTATCTAAGAACTTGGAAGCCGTCAGCCAAGTCGC CACATTTCTCTGCAAAATGTCATAGCTTATATAAATGTACAGTATTCAATTGTAATGCATGCCTTCGGTT GTAAGTAGCCAGATCCCTCTCCAGTGACATTGGAACATGCTACTTTTTAATTGGCCCTGTACAGTTTGCT TATTTATAAATTCATTAAAAACACTACAGGTGTTGAATGGTTAAAATGTAGGCCTCCAGTTCATTTTCAG TTATTTTCTGAGTGTGCAGACAGCTATTTCGCACTGTATTAAATGTAACTTATTTAATGAAATCAGAAGC AGTAGACAGATGTTGGTGCAATACAAATATTGTGATGCATTTATCTTAATAAAATGCTAAATGTCAATTT ATCACTGCGCATGTTTGACTTTAGACTGTAAATAGAGATCAGTTTGTTTCTTTCTGTGCTGGTAACAATG AGCGTCGCACAGACAT ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCG
Restriction Sites:	SgfI-MluI

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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_001681.3

Summary: This gene encodes one of the SERCA Ca(2+)-ATPases, which are intracellular pumps located in the sarcoplasmic or endoplasmic reticula of the skeletal muscle. This enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol into the sarcoplasmic reticulum lumen, and is involved in regulation of the contraction/relaxation cycle. Mutations in this gene cause Darier-White disease, also known as keratosis follicularis, an autosomal dominant skin disorder characterized by loss of adhesion between epidermal cells and abnormal keratinization. Other types of mutations in this gene have been associated with various forms of muscular dystrophies. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2019]

Locus ID: 488

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