

## Product datasheet for SC116406

### S100 Calcium Binding Protein A13 (S100A13) (NM\_005979) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	S100 Calcium Binding Protein A13 (S100A13) (NM_005979) Human Untagged Clone
Tag:	Tag Free
Symbol:	S100A13
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC116406 sequence for NM_005979 edited (data generated by NextGen Sequencing)

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ATGGCAGCAGAACCCTGACAGAGCTAGAGGAGTCCATTGAGACCGTGGTCACCACCTTC
TTCACCTTTGCAAGGCAGGAGGGCCGGAAGGATAGCCTCAGCGTCAACGAGTTCAAAGAG
CTGGTTACCCAGCAGTTGCCCATCTGCTCAAGGATGTGGGCTCTCTTGATGAGAAGATG
AAGAGCTTGGATGTGAATCAGGACTCGGAGCTCAAGTTCAATGAGTACTGGAGATTGATT
GGGGAGCTGGCCAAGGAAATCAGGAAGAAGAAAGACCTGAAGATCAGGAAGAAGTAA
```

Clone variation with respect to NM\_005979.2

#### 5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_005979 unedited
NGTTACAAAATATGTATACGACTCACTATAGGCGGCCGCAATCGGCACCAGCCGGGTC
AGCCCTGACAAAGGTCAGCTAGCCCTTGAGGACATCAGCTTTGGCCTCAGGGTCCTAAT
GGCAGCAGAACCCTGACAGAGCTAGAGGAGTCCATTGAGACCGTGGTCACCACCTTCTT
CACCTTTGCAAGGCAGGAGGGCCGGAAGGATAGCCTCAGCGTCAACGAGTTCAAAGAGCT
GGTTACCCAGCAGTTGCCCATCTGCTCAAGGATGTGGGCTCTCTTGATGAGAAGATGAA
GAGCTTGGATGTGAATCAGGACTCGGAGCTCAAGTTCAATGAGTACTGGAGATTGATTGG
GGAGCTGGCCAAGGAAATCAGGAAGAAGAAAGACCTGAAGATCAGGAAGAAGTAAAGCCG
CCTGGCTGAGATGGGGTGGGCAGGGCAGAGCTGATCAGGGCCGAGCAGAACCGCACTCTT
CCCAAATAAAGCTTCTCCTTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTCG
ACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTG
TGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCACCAGCCC
TTGCCTAATAAATTAAGTTGCATATTTGTCTGACTAGGTGTCCTTCTATAATATTAT
GGGGTGAGGGGGGTCGGCGAATGGCCACCCGGCGCCTTTTCTTCTCAATATATTGAT
AGTTCTCAAATCTCACATCACACCTACTATACAATCATTATTCAATACCTACCCCCCCC
TACCAACATCACCTCANCTACCCCTCCCTCACCTCACCTCTCANTCCCTCCTCCTCCCT
CCCCACTCACTTCCCTCCTCACCTCTCCTTTCCTTCTCCTTTCCTCCAATATCTT
CAC
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_005979 unedited NNTTTTGACTTGAACCCGCGCCGCATNCTAGGATCGAGNNNTTCAAAGGAGGAACCTTTATTTGGGAAAAAGTGCGGTTCTGCTCGGCCCTGATCAGTTTTGCCTGCCACCCCATTTAAGCCAGGCGGTTTTACTTCTTCTGATCTTAAGGCTTTTCTTCTCTGATTTTCCTTGGCCAGCTCCCCAATCAATCTCCAGTACTCATTGAACCTTGACCTCCGAGTCTGATTCACATCCAAGCTCTTCATTTTTCATAAAAAAAGCCACATCCTTGACCAAATGGGGCAACTGCTGGGTAACCAGCTTTTTGAACTCGTTGACGCTGAGGCTATCCTTCCGCCCCCTGCTTGCCTTGCAAAGGTGAAAAAGGTGGTGACCACGGTCTCATGGACTCCTCTACCTCTGTCAGGGGTTCTGCTGCCATTAGGACCCTGAGGCCAAAGCTGATGTCCTAAAGGGGCTAGCTGACCTTTGTGAGGGCTGACCCGGCTGGTGCCAAATTCGCGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTCACTAAACGAGCTCTGCTTATATAAACCTCCCACCGTACACGCCTACCGCCATTTGCGTCAACGGGGCGGGTTATACGACATTTTGGAAAGTCCCCTTGATTTTGGTGCCAAACAACTCCCATTGACGTCAATGGGGGTGAAGACTTGGAAAATCCCCTGAGTCAAACCGTTATCCACGCCATTGGTGTACTGCCAAACCGCTCACCATGGTAATAGCGTGACTAATCGTAGATGTACTGCCAATAAGAAAAGTCGTAAGGTCATGTCTGGCCATAATGCCAGCGGGCCATTACGTTATTGAGTCATAGGGGGCGGGACTTGCTT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_005979
<b>Insert Size:</b>	550 bp
<b>OTI Disclaimer:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_005979.2</a> , <a href="#">NP_005970.1</a>
<b>RefSeq Size:</b>	743 bp
<b>RefSeq ORF:</b>	297 bp
<b>Locus ID:</b>	6284
<b>UniProt ID:</b>	<a href="#">Q99584</a>
<b>Domains:</b>	S_100
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) has a distinct and shorter 5' UTR, as compared to variant 1.