

Product datasheet for **SC118303**

S100A10 (NM_002966) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100A10 (NM_002966) Human Untagged Clone
Tag:	Tag Free
Symbol:	S100A10
Synonyms:	42C; ANX2L; ANX2LG; CAL1L; Ca[1]; CLP11; GP11; p10; P11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118303 sequence for NM_002966 edited (data generated by NextGen Sequencing) ATGCCATCTCAAATGGAACACGCCATGGAACCATGATGTTTACATTTACAAAATTCGCT GGGGATAAAGGCTACTTAACAAAAGGAGGACCTGAGAGTACTCATGAAAAGGAGTTCCCT GGATTTTTGGAAAATCAAAAAGACCCTCTGGCTGTGGACAAAATAATGAAGGACCTGGAC CAGTGTAGAGATGGCAAAGTGGGCTTCCAGAGCTTCTTTTCCCTAATTGCGGGCCTCACC ATTGCATGCAATGACTATTTTGTAGTACACATGAAGCAGAAGGGAAAGAAGTAG Clone variation with respect to NM_002966.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002966 unedited</p> <p>TATGATTATGTAATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGCTGAAGAG AAGTTTACAAGAACGCTCTGTCTGGGGCGGGCGAGGCCTCTGCGAGGCGGGTCCGGGAGC GAGGGCAGGGCGTGGGCCGCGCCCGGGTCCGGGGAGTCCGGGGCAGGAAGAGGGGA GGAGACAGGGCTGGGGGAGCGCCCTGCCGAGCGCCGCCAGGCTCTCCCGCTCCCGCAC CGCTCCCTCTACCCACCCGCCGCACGTACTAAGGAAGGCGCACAGCCCGCCGCTCGC CTCTCCGCCCGCGTCCAGCTCGCCAGCTCGCCAGCTCCGCCGCGCTCGGCCAAGG CTTCAACGGACCACCAAAAATGCCATCTCAAATGGAACACGCCATGGAACCATGATGT TTACATTTCAAAATTCGCTGGGATAAAGGCTACTTAAACAAAGGAGGACCTGAGAGTAC TCATGGAAAAGGAGTTCCCTGGATTTTTGGAAAATCAAAAAGACCTCTGGCTGTGGACA AAATAATGAAGGACCTGGACCAGTGTAGAGATGGCAAAGTGGGCTTCCAGAGCTCTTTT CCCTAATTGCGGGCTCACCAATGCATGCAATGACTATTTGTAGTACACATGAAGCAGA AGGAAAGAAGTATGCAGAAATGAGCAGTTCGCTCCTCCCTGATAAGAGTTGCCAAAGG GTCGCTTAGGAATCTGCCACAGCTTCCCATAAACGATTTTCATGAGCAGATCAGGACA CTTAGCAAATGTTAAAATAAATCTAACTCTCATTTGACAAGCAGAGAAAAGAAAGTTAAA TACCAGATAAGCTTTTGTATTTTGTATTGTTGCATCCCTTGCCTCATAAATAAAGTN CTTTTTAGTTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA TTCTGAACGATCCCGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002966 unedited</p> <p>TGACCGCGCCGATTCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGAACTAAAAAGTA ACTTTATTTATTGAGGGCAAGGGATGCAAACAATACAAAATCAAAGCTTATCTGGTA TTTAACTTTTCTTCTCTGCTTGTCAAATGAGAGTTAGATTTTATTTTACATTTGCTAA GTGTCCTGATCTGCTCATGAAATCCTTCTATGGGGGAAGCTGTGGGGCAGATTCCTTAAG CGACCCTTTGGGACAACCTTATCAGGGAGGAGCGAACTGCTCATTTCTGCCTACTTCTT TCCCTTCTGCTTCATGTGTAACAAAATAGTCATTGCATGCAATGGTGAGGCCCGCAAT TAGGGAAAAGAAGCTCTGGAAGCCCACTTTGCCATCTCTACACTGGTCCAGGTCCTTCAT TATTTTGTCCACAGCCAGAGGGTCTTTTTGATTTTCCAAAATCCAGGGAACCTTTTTC CATGAGTACTCTCAGTCTCTCTTTGTTAAGTAGCCTTTATCCCCAGCAATTTGTGAAA TGTAACATCATGGTTTTCCATGGCGTGTCCATTTGAGATGGCATTTTGGTGTGGTCCGCT TGAAACCCTGGCCGAGCCGGCGGACGCTGGGGAGCTGGGCCAGCTGGACGCGGGCCC GATAGGCCACCCCGCCGCTTCTCCCCTCCTTAATACCTGCCGCCGTTGGGTATAGGG AAGCCCCCGGCAACCGGAGGAACCCGCGGCTCTCCGCCGCCCCCCCCCTATTTCCGCT CTCCCCACCCCTTCCCCTCTCCCCCTACCCCCACACCCACCCCTCCCCCCCC CCTCTCCCCCTACCCTTCTCATGAGTTCCTCCCTCTACCCCCCTCTTTTCTCCACCTC ACCTTCATTCACCCACCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002966
Insert Size:	1000 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).
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_002966.1](#), [NP_002957.1](#)

RefSeq Size: 649 bp

RefSeq ORF: 294 bp

Locus ID: 6281

UniProt ID: [P60903](#)

Cytogenetics: 1q21.3

Domains: S_100

Protein Families: Transmembrane

Gene Summary: 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 may function in exocytosis and endocytosis. [provided by RefSeq, Jul 2008]