

Product datasheet for **SC121135**

S100 alpha 2 (S100A2) (NM_005978) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100 alpha 2 (S100A2) (NM_005978) Human Untagged Clone
Tag:	Tag Free
Symbol:	S100A2
Synonyms:	CAN19; S100L
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC121135 sequence for NM_005978 edited (data generated by NextGen Sequencing) ATGTGCAGTTCTCTGGAGCAGGCCTGGCTGTGCTGGTCACTACCTTCCACAAGTACTCC TGCCAAGAGGGCGACAAGTTCAAGCTGAGTAAGGGGAAATGAAGGAAGTCTGCACAAG GAGCTGCCAGCTTTGTGGGGGAGAAAGTGGATGAGGAGGGGCTGAAGAAGCTGATGGGC AGCCTGGATGAGAACAGTGACCAGCAGGTGGACTTCCAGGAGTATGCTGTTTTCTCGGCA CTCATCACTGTGCAATGACTTCTCCAGGGCTGCCAGACCGACCCTGA Clone variation with respect to NM_005978.3
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005978 unedited AAGACGTCAGGATTTGTATACGACTTACTATAGGCGCCGCGCAATTCGCACGAGGCTCC CCTCACCCCGGTCCAGGATGCCAGTCCCCACGACACCTCCCACTTCCCACTGTGGCCTG GGTGGGCTCAGGGGCTGCCCTTGACCTGGCCTAGAGCCCTCCCCAGCTGGTGGTGGAGC TGGCACTCTCTGGGAGGGAGGGGCTGGGAGGGAATGAGTGGGAATGGCAAGAGGCCAGG GTTTGGTGGGATCAGGTTGAGGCAGGTTTGGTTTCCTTAAATGCCAAGTTGGGGCCAG TGGGGCCACATATAAATCCTCACCTGGGAGCCTGGCTGCCTTCTCCTTCTCGGGT CTGTCTCTGCCACCTGGTCTGCCACAGATCCATGATGTGCAAGTCTCTGGAGCAAGCGCT GGCTGTGCTGGTCACTACCTTCCACAAGTACTCCTGCCAAGAGGGGCGACAAGTTCAAGCT GAGTAAGGGGAAATGAAGGAAGTCTGCACAAGGAGCTGCCAGCTTTGTGGGGAGAA AGTGGATGAGGAGGGGCTGAAGAAGCTGATGGGCAGCCTGGATGAGAACAGTGACCAGCA GGTGGACTTCCAGGAGTATGCTGTTTTCTGGCACTCATCACTGTGCAATGACTT CTTCCAGGGCTGCCAGACCGACCCTGAAGCAGAACTTGGACTTCTGCCATGGATCTT TTGGGCCCAAGACTGTTGATGCCCTTTGAGTTTTGGATTCAATAAACTTTTTTGTCTGTT GAANAAAAAATNAGAAAAAATTCCTCGACTTAGATTTGCGCCGCGGTATAGCTGTT TCCTGACAGATTCAG
Restriction Sites:	Please inquire



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ACCN:	NM_005978
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).
RefSeq:	NM_005978.3 , NP_005969.1
RefSeq Size:	970 bp
RefSeq ORF:	294 bp
Locus ID:	6273
UniProt ID:	P29034 , A0A590UJ49
Gene Summary:	<p>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 have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments. CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by available proteomics data.</p>