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:	S100 alpha 2
Synonyms:	CAN19; S100L
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC121135 sequence for NM_005978 edited (data generated by NextGen Sequencing) ATGTGCAGTTCTCTGGAGCAGGCGCTGGCTGTGCTGGTCACTACCTTCCACAAGTACTCC TGCCAAGAGGGCGACAAGTTCAAGCTGAGTAAGGGGGAAATGAAGGAACTTCTGCACAAG GAGCTGCCCAGCTTTGTGGGGGAGAAAGTGGATGAGGAGGGGCTGAAGAAGCTGATGGGC AGCCTGGATGAGAACAGTGACCAGCAGGTGGACTTCCAGGAGTATGCTGTTTTCCTGGCA CTCATCACTGTCATGTGCAATGACTTCTTCCAGGGCTGCCCAGACCGACCCTGA Clone variation with respect to NM_005978.3
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005978 unedited AAGACGTCAGGATTTGTATACGACTTACTATAGGCGGCCGCGCAATTCGCACGAGGCTCC CCTCACCCCGGTCCAGGATGCCCAGTCCCCACGACACCTCCCACTTCCCACTGTGGCCTG GGTGGGCTCAGGGGCTGCCCTTGACCTGGCCTAGAGCCCTCCCCCAGCTGGTGGTGGAGC TGGCACTCTCTGGGAGGGAGGGGGCTGGGAGGGAATGAGTGGGAATGGCAAGAGGCCAGG GTTTGGTGGGATCAGGTTGAGGCAGGTTTGGTTTCCTTAAAATGCCAAGTTGGGGGCCAG TGGGGCCCACATATAAATCCTCACCCTGGGAGCCTGGCTGCCTTGCTCTCCTTCCTGGGT CTGTCTCTGCCACCTGGTCTGCCACAGATCCATGATGTGCAGTTCTCTGGAGCAAGCGCT GGCTGTGCTGGTCACTACCTTCCACAAGTACTCCTGCCAAGAGGGCGACAAGTTCAAGCT GAGTAAGGGGGAAATGAAGGAACTTCTGCACAAGGAGCTGCCCAGCTTTGTGGGGGAGAA AGTGGATGAGGAGGGGCTGAAGAAGCTGATGGGCAGCCTGGATGAGAACAGTGACCAGCA GGTGGACTTCCAGGAGTATGCTGTTTTCCTGGCACTCATCACTGTCATGTGCAATGACTT CTTCCAGGGCTGCCCAGACCGACCCTGAAGCAGAACTCTTGACTTCCTGCCATGGATCTT TTGGGCCCAAGACTGTTGATGCCTTTGAGTTTTGGATTCAATAAACTTTTTTTGTCTGTT GAANAAAAAAAATNAGAAAAAATTCCTCGACTCTAGATTTGCGCCGCGGTCATAGCTGTT TCCCTGACAGATTCAG
Restriction Sites:	Please inquire

View online »

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).
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_005978.3, NP_005969.1
RefSeq Size:	970 bp
RefSeq ORF:	294 bp
Locus ID:	6273
UniProt ID:	P29034
Cytogenetics:	1q21.3
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 have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer. [provided by RefSeq, Jul 2008] 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.