

Product datasheet for **SC113044**

S100 calcium binding protein A14 (S100A14) (NM_020672) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | S100 calcium binding protein A14 (S100A14) (NM_020672) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | S100 calcium binding protein A14 |
| Synonyms: | BCMP84; S100A15 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC113044 sequence for NM_020672 edited (data generated by NextGen Sequencing) ATGGGACAGTGTCCGGTCAGCCAACGCAGAGGATGCTCAGGAATTCAGTGATGTGGAGAGG GCCATTGAGACCCATCAAGAACCTTTCACCACTCCCGTGGAGGGTGGGAAGGAGACG CTGACCCCTTCTGAGCTACGGGACCTGGTCACCCAGCAGCTGCCCATCTCATGCCGAGC AACTGTGGCCTGGAAGAGAAAATTGCCAACCTGGGCAGCTGCAATGACTCTAAACTGGAG TTCAGGAGTTTCTGGGAGCTGATTGGAGAAGCGGCCAAGAGTGTGAAGCTGGAGAGGCCT GTCCGGGGGCACTGA Clone variation with respect to NM_020672.1 |



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020672 unedited
 GAACGTACGAATTTGTATACGACTCACTATAGGCGGCCGGAATTCGCACGAGGCAACAG
 ATCATGAGCCATCAGCTCCTCTGGGGCCAGCTATAGGACAACAGAAGCTCTACCAAAGGA
 CCAGACACAGTGGGCACCATGGGACAGTGTGGTCCAGCAACGCAGAGGATGCTCAGGAA
 TTCAGTGATGTGGAGAGGGCCATTGAGACCCTCATCAAGAAGTTTACCAGTACTCCGTG
 GAGGGTGGGAAGGAGACGCTGACCCCTTCTGAGCTACGGGACCTGGTCACCCAGCAGCTG
 CCCCATCTCATGCCGAGCAACTGTGGCCTGGAAGAGAAAAATTGCCAACCTGGGCAGCTGC
 AATGACTCTAAACTGGAGTTCAGGAGTTTCTGGGAGCTGATTGGAGAAGCGGCCAAGAGT
 GTGAAGCTGGAGAGCCCTGTCCGNGGCACTGAGAAGTCCCTCTGGAATTTCTGGGGGT
 GTTGGGGAGAGACTGTGGCCTGGAATAAAACTTGTCTCCTCTACCACCACCCTGTACC
 CTAGCCTGCACCTGTCTCATCTCTGCAAAGTTCAGTTCCTTCCCAGTCTCTGTGCAC
 TCTGTCTTGGATGCTCTGGGAGCTCATGGGTGGAGGAGTCTCCACCAGAAGGAGGCTCA
 GNGACTGTTGGCCAGGGATGAATATTTGAGGGATAAAAAATTGTGAAGGCCAAGAA
 TTGGTAGTAGGGGAGAACAGAGAGGAGCTGGGCTATGGGAAATGATTTNGATAATGGAG
 CTGGGGATATGGCTGGATATCTGGTACTAAAAAGGGTCTTTAAGAACCTACTTTTCTAA
 TCTCTTCCCATCCCAACCATAGCTGTCTGTCCAGTGTCTCTTTCTGCCTCCCGCTCTG
 CCCAGGCTCCTCTAGACTCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020672 unedited
 CGCAATCTAAAGTCGAGTCTTTCTTTTTTTTTTATTAATCAAATGATACAAAACAACC
 ATCATTCTGTCAATGCCAAGCACCCAGCTGGTCTCTCCCACATGTCACACTCTCCTC
 AGACTCTACCCAAACCTGCTCTCCCTCCTCCCCTGCCCTACCCAGGGACAGAGTCTAG
 GAGGAGCCTGGGGCACAGCTGGAGGCAGGAACAGAGCACTGGCCAGACAGCTATGGTCCG
 GATTGGGGAAGAGATTACGAAGCAGTACTTAAAGACCCTTTTTTACCACCAGATCTCCC
 CCCCTATCACCACCCTCCTTATCCAAATAATTCACCCATAACGCAACTCACTATCTGAA
 AAACAACTACTACCAACTACGGCTCTTCCCCCGCGCCCTCCCCAACCTCCACCCC
 TGGCACCAACAACACTGAAACAACTCTGGCGAGAACCCCCCCCCCATCTCCCCCCCC
 ACCCCCCCACAACCTCCCCCACCTCTCAAGCCCCCCCCCCCCCCCCCCCCCCCCCCCC
 CCCCCACGCCCGGTGCCTCCCTCACCCCCACCCCCCCCCCCCCCCCCCCCCCCCCACC
 CCACCCGCCCCCCCCCCCCCCCCCCCACCACTCACCTCCCCCCCCCCCCCCCCCCCCCCC
 CCCACCCACACCCCTTACCTCCCCACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCA
 TCCACCCCCCCCCCCCCCCCCCCCACCCCCCCACCATCCCTCACCTCACCCCAACAACC
 ACCCACACCCCCCCCCCCACCACCCATTACCCCCCCCCCCACACCCCCCCACCCTCC
 CACCACCCCCCCCCTCTCCCTACTTTAACGACACCCCGGACCCCGGACCCCAACC
 CACCCCGTAAANAATCGTACAATACCACCCCTTCCCCCGG

Restriction Sites:

NotI-NotI

ACCN:

NM_020672

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).

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| Reconstitution Method: | <ol style="list-style-type: none">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: | <u>NM_020672.1, NP_065723.1</u> |
| RefSeq Size: | 1057 bp |
| RefSeq ORF: | 315 bp |
| Locus ID: | 57402 |
| UniProt ID: | <u>Q9HCY8</u> |
| Cytogenetics: | 1q21.3 |
| Domains: | S_100 |
| Gene Summary: | This gene encodes a member of the S100 protein family which contains an EF-hand motif and binds calcium. The gene is located in a cluster of S100 genes on chromosome 1. Levels of the encoded protein have been found to be lower in cancerous tissue and associated with metastasis suggesting a tumor suppressor function (PMID: 19956863, 19351828). [provided by RefSeq, Dec 2011] |