

Product datasheet for **RG202590**

S100 calcium binding protein A14 (S100A14) (NM_020672) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: S100 calcium binding protein A14 (S100A14) (NM_020672) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: S100 calcium binding protein A14
Synonyms: BCMP84; S100A15
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202590 representing NM_020672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGACAGTGTCTCGTCAGCCAACGCAGAGGATGCTCAGGAATTCAGTGATGTGGAGAGGGCCATTGAGA
 CCCTCATCAAGAAGTTTACCAGTACTCCGTGGAGGGTGGGAAGGAGACGCTGACCCCTTCTGAGCTACG
 GGACCTGGTCACCCAGCAGCTGCCCATCTCATGCCGAGCAACTGTGGCCTGGAAGAGAAAATTGCCAAC
 CTGGGCAGCTGCAATGACTCTAACTGGAGTTCAGGAGTTCTGGGAGCTGATTGGAGAAGCGGCCAAGA
 GTGTGAAGCTGGAGAGGCTGTCCGGGGGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202590 representing NM_020672
 Red=Cloning site Green=Tags(s)
 MGQCRSANAEDAQEFSDVERAIETLIKFNHQYSVEGGKETLTPSELRLDLVTQQLPHLMPSNCGLEEKIAN
 LGSCNDSKLEFRSFWELIGEAAKSVKLERPVRGH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_020672

ORF Size: 312 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_020672.3](#)

RefSeq Size: 1057 bp

RefSeq ORF: 315 bp

Locus ID: 57402

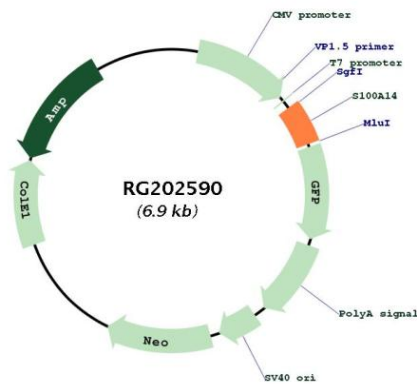
UniProt ID: [Q9HCY8](#)

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]

Product images:



Circular map for RG202590