

# Recombinant Human S100A2, His-tagged

**Cat. No.** S100A2-3414H    **Lot. No.** (See product label)

## SPECIFICATION

|                                 |                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>         | Recombinant human S100A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.                                                                                                                                                             |
| <b>Species</b>                  | Human                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>                   | E.coli                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>              | S100A2 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100A2 may act as a modulator against excess calcium accumulation in normal human mammary epithelial cells and also play a role in suppressing tumor cell growth. This protein may have a tumor suppressor function. |
| <b>Form</b>                     | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 5mM DTT, 30% glycerol, 0.2M NaCl.                                                                                                                                                                                                                               |
| <b>Molecular Weight</b>         | 13.1 kDa (117aa) confirmed by MALDI-TOF.                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                   | > 90% by SDS - PAGE.                                                                                                                                                                                                                                                                                                |
| <b>Concentration</b>            | 1mg/ml (determined by Bradford assay).                                                                                                                                                                                                                                                                              |
| <b>Sequences Of Amino Acids</b> | MGSSHHHHHH SSGLVPRGSH MCSSLEQALA VLVTTFHKYS CQEGDKFKLS KG<br>EMKELLHK ELPSFVGEKV DEEGLKKLMG SLDENSDDQQVDFQEYAVFLA LITV MC<br>N DFF QGCPDRP.                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**GENE INFORMATION**
**Gene Name**

S100A2 S100 calcium binding protein A2 [ Homo sapiens ]

**Synonyms**

S100A2; S100 calcium binding protein A2; CAN19; S100L; MGC111539; OT-THUMP00000032968; OTTHUMP00- 000032969; S100 calcium-binding protein A2; Protein S100-A2; Protein S-100L

**Gene ID**

6273

**mRNA Refseq**

NM\_005978

**Protein Refseq**

NP\_005969

**MIM**

176993

**UniProt ID**

P29034

**Chromosome  
Location**

1q21

**Function**

calcium ion binding

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