

## Product datasheet for **AR09889PU-N**

### **S100A2 / CAN19 (1-97, His-tag) Human Protein**

#### **Product data:**

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | S100A2 / CAN19 (1-97, His-tag) human recombinant protein, 0.1 mg   |
| Species:                              | Human  |
| Expression Host:                      | E. coli  |
| Expression cDNA Clone or AA Sequence: | <u>MGSSHHHHHH SSGLVPRGSH</u> MCSSLEQALA VLVTTFHKYS CQEGDKFKLS KGEMKELLHK ELPSFVGEKV DEEGLKCLMG SLDENSQQV DFQEYAVFLA LITVMCNDFF QGCPDRP                       |
| Tag:                                  | His-tag  |
| Predicted MW:                         | 13.1 kDa   |
| Concentration:                        | lot specific   |
| Purity:                               | >90%   |
| Buffer:                               | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 5 mM DTT, 30% glycerol, 0.2M NaCl |
| Preparation:                          | Liquid purified protein  |
| Protein Description:                  | Recombinant human S100A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.      |
| Storage:                              | Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.                             |
| Stability:                            | Shelf life: one year from despatch.  |
| RefSeq:                               | <u>NP_005969</u>   |
| Locus ID:                             | 6273   |
| UniProt ID:                           | <u>P29034, A0A590UJ49</u>  |
| Cytogenetics:                         | 1q21.3   |
| Synonyms:                             | CAN19; S100L   |



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**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]

**Product images:**