

Recombinant Human S100 Calcium Binding Protein A2

Cat. No. S100A2-429H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human S100 Calcium Binding Protein A2 cloned from human cDNA, and expressed in <i>E.coli</i> . The protein consists of the human S100A2 (residues 1-98 swissprot accession P29034). MW = 11.7 kDa.
Species	Human
Source	E.coli
ProteinLength	1-98 a.a.
Description	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.
Purity	> 95% by SDS-PAGE. The protein was observed as a single band migrating at a molecular weight <14 kDa).
Supplied As	1mg at 1mg/ml in 50mM Tris, 2mM DTT pH 6.5. The concentration is calculated from the absorbance at 280nm ($e_{280} = 3230 \text{ M}^{-1} \text{ cm}^{-1}$).

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Characteristics Under the above described conditions, to avoid precipitation or aggregation, the product can be concentrated to a maximum of 1mM.

Storage -20° C. The protein is stable at 25 °C for at least several hours. After initial defrost, aliquot product into individual tubes and refreeze at -20° C. Avoid repeated freeze/defrost cycles.

GENE INFORMATION

Gene Name [S100A2 S100 calcium binding protein A2 \[Homo sapiens \]](#)

Synonyms S100A2; S100 calcium binding protein A2; CAN19; S100L; MGC111539; OTTHUMP00000032968; OTTHUMP00000032969; S100 calcium-binding protein 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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