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Datasheet for ABIN7319734 **S100A2 Protein**

Overview

Quantity:	50 µg
Target:	S100A2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human S100A2 Protein
Sequence:	Met1-Pro98
Characteristics:	Recombinant Human S100A2 is produced by our E.coli expression system and the target gene encoding Met1-Pro98 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	S100A2
Alternative Name:	S100A2 (S100A2 Products)
Background:	Background: The calcium-binding Protein S100-A2 is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100-A2 was first detected in lung and kidney, and is mainly expressed in a subset of tissues and cells such as breast epithelia and liver. The S100A2 protein is a homodimer that undergoes a conformational change upon binding of

Target Details

calcium, and the active form functions in regulating cell proliferation and differentiation, gene transcription, and p53-dependent growth arrest and apoptosis. This protein is regarded as a putative tumor suppressor, and thus chromosomal rearrangements and reduced expression of S100A2 gene have been implicated in certain carcinomas.

Synonym: Protein S100-A2, CAN19, Protein S-100L, S100 calcium-binding protein A2, S100A2, S100L

Molecular Weight: 11.2 kDa

UniProt: [P29034](#)

Pathways: [S100 Proteins](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.