

## 32-8885: Recombinant Human S100-A2(Discontinued)

**Gene :** S100A2

**Gene ID :** 6273

**Uniprot ID :** P29034

### Description

Source: E. coli.

MW :11.2kD.

Recombinant Human Protein S100-A2 is produced by our E.coli expression system and the target gene encoding Met1-Pro98 is expressed. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** GMMCSSLEQALAVLVTTFFHKYSCQEGDKFKLSKGEMKELLHKELPSFVGEKVDEEGLKKLMGSLDENSDQQVDFQEYAVFLALITVMCNDFFQGCPDRP

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.