

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 : GMMCSSLEQALAVLVTTTFHKYSCQEGDKFKLSKGEMKELLHKELPSFVGEKVDEEGLKKLMGSLDENSDQQVDFQEYAVFLALITVMCNDFQGCPRP

Application Note

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