

### 32-8881: Recombinant Mouse S100A11 (N-6His)

**Gene :** S100a11

**Gene ID :** 20195

**Uniprot ID :** P50543

#### Description

Source: E. coli.

MW :12.6kD.

Recombinant Mouse S100A11 is produced by our E.coli expression system and the target gene encoding Met1-Ile98 is expressed with a 6His at the N-terminus. Protein S100-A11(S100A11) is a member of the S-100 family. S100A11 is widely expressed in multi tissues, and is located in cytoplasm, nucleus, and even cell periphery. S100A11 exists as a non-covalent homodimer with an antiparallel conformation. Ca(2+) binding to S100A11 would trigger conformational changes which would expose the hydrophobic cleft of S100A11 and facilitate its interaction with target proteins. As a dual cell growth mediator, S100A11 acts as either a tumor suppressor or promoter in many different types of tumors and would play respective roles in influencing the proliferation of the cancer cells. In the nucleus, S100A11 suppresses the growth of keratinocytes through p21 (CIP1/WAF1) activation and induces cell differentiation. S100A11 is also a novel diagnostic marker in breast carcinoma.

#### 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 :** MNHKVHHHHHHMPTETERCIESLIAVFQKYSKDGNNNTQLSKTEFLSFMNTELA AFTKNQKDPGVLD RMMK  
KLDLNC DGQLDFQEFLNLIGGLAIACHDSFIQTSQKRI

#### Application Note

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