

## PRODUCT DATA SHEET

### S100A7A Human E. coli

**Cat. No.:** RD172213100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

S100-A15, S100 calcium-binding protein A7A, S100 calcium-binding protein A7-like 1, S100 calcium-binding protein A15

**Description:**

Total 109 AA. MW: 12.3 kDa (calculated). UniProtKB acc.no. Q86SG5. N-Terminal His-tag, 9 extra AA.

**Amino Acid Sequence:**

MKHHHHHHAS NTQAERSIIG MIDMFHKYTG RDGKIEKPSL LTMMKENFPN FLSACDKKGI  
HYLATVFEKK DKNEDKKIDF SEFLSLLGDI AADYHKQSHG AAPCSGGSQ

**Purity:**

> 90 % by SDS-PAGE

**Endotoxin:**

< 1.0 EU/μg

**Formulation:**

Filtered (0,4 μm) and lyophilized in 0.5 mg/mL in 20mM TRIS, 50mM NaCl, pH 7.5

**Reconstitution:**

Add deionized water to prepare a working stock solution of approximately 0.5 mg/mL and let the lyophilized pellet dissolve completely.

**Shipping:**

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.

**Applications:**  
Western blotting