

## PRODUCT DATA SHEET

### S100A12 Human E. coli

**Cat. No.:** RD172221100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

**Other Names:**

S100 calcium-binding protein A12, Calgranulin-C, CAGC, Neutrophil S100 protein, Calcium-binding protein in amniotic fluid 1, CAAF1, p6, Extracellular newly identified, RAGE-binding protein, EN-RAGE

**Description:**

Total 101 AA. MW: 11.63 kDa (calculated). UniProtKB acc.no. P80511. N-Terminal His-tag, 10 extra AA.

**Amino Acid Sequence:**

MKHHHHHHAS TKLEEHLEGI VNIFHQYSVR KGHFDTL SKG ELKQLLTKE L ANTIKNIKDK  
AVIDEIFQGL DANQDEQVDF QEFISLVAIA LKAAHYHTHK E

**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.  
Endotoxin level determination.

**Applications:**  
Western blotting