

PRODUCT DATA SHEET

S100A1 Human E. coli

Cat. No.: RD172208100

Size: 0.1 mg

Source: E. coli

Type: Recombinant protein

Species: Human

Other Names:

S100 calcium-binding protein A1, S-100 protein subunit alpha, S-100 protein alpha chain, S100A

Description:

Total 103 AA. MW: 11.66 kDa (calculated). UniProtKB acc.no. P23297. N-Terminal His-tag, 10 extra AA.

Amino Acid Sequence:

MKHHHHHHAS GSELETAMET LINVFHAHSG KEGDKYKLSK KELKELLQTE LSGFLDAQKD
VDAVDKVMKE LDENG DGEVD FQ EYVVLVAA LTVACNNFFW ENS

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

Note:
This product is intended for research use only.