S100A4 Human E. coli

Product Data Sheet

Type: Recombinant
Source: E. coli
Species: Human
Other names: Calvasculin, Metastasin, Placental calcium-binding protein, S100 calcium-binding protein A4, CAPL, MTS1

Cat. No.:
RD172211100 (0.1 mg)

Description

Total 110 AA. MW: 12.84 kDa (calculated). UniProtKB acc.no. P26447. N-Terminal His-tag, 10 extra AA (highlighted).

Research topic

Cardiovascular disease, Immune Response, Infection and Inflammation, Oncology

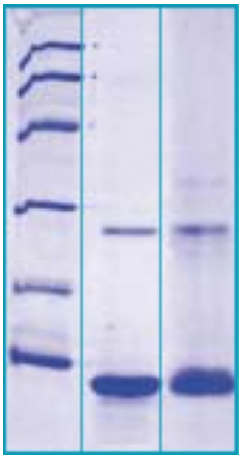
Amino Acid Sequence

MKHHHHHHAS ACPLEKALDV MVSTFHKYSG KEGDKFKLNK SELKELLTRE LPSFLGKRTD EAAFQKLMSN LDSNRDNEVD FQEYCVFLSC IAMMCNEFFE GFPDKQPRKK

Source

E. coli

SDS-PAGE gel



12% SDS-PAGE separation of Human S100A4 protein
1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa
2. reduced and boiled sample, 5µg / lane
3. non-reduced and non-boiled sample, 5µg / lane

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. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

Shipping

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

Storage, Stability/Shelf Life

Store 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 Test

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

Applications

Western blotting

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