

## Calmodulin-Like Protein 5 Human E. coli

### Product Data Sheet

**Type:** Recombinant

**Source:** E. coli

**Species:** Human

**Other names:** CLSP, Calmodulin-like skin protein, CALML5

**Cat. No.:**

RD172501100

(0.1 mg)

### Description

Total 155 AA. MW: 17.0 kDa (calculated). UniProtKB acc. no. Q9NZT1 (Ala2-Glu146). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS.

### Amino Acid Sequence

MKHHHHHSHAS AGELTPEEEA QYKKAFAVD TDGNGTINAQ ELGAALKATG KNLSEAQLRK LISEVDSGD GEISFQEFLT  
AAKKARAGLE DLQVAFRAFD QDGDGHITVD ELRRAMAGLG QPLPQEELDA MIREADVQD GRVNYEEFAR MLAQE

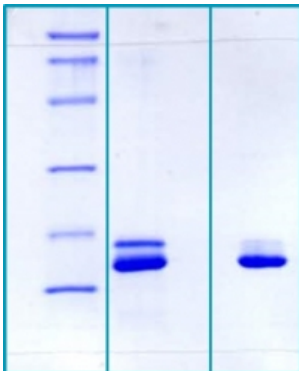
### Source

E. coli

### Purity

Purity as determined by densitometric image analysis: > 95%

### SDS-PAGE gel



14 % SDS-PAGE separation of Human CLSP:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

### Endotoxin

< 1.0 EU/µg

### Formulation

Filtered (0.4 µm) and lyophilized from 0.5 mg/ml solution in 20 mM Tris buffer, 50 mM NaCl, 5% w/v trehalosa, pH 7.5.

### Reconstitution

Add 200 µl of 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 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 Test

BCA to determine quantity of the protein.  
SDS-PAGE to determine purity of the protein.  
LAL TEST to determine endotoxin level.

## Applications

ELISA, Western blotting

## Physical Appearance

This product is intended for research use only.

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