# Human Calsequestrin-1 / CASQ1 recombinant protein

Catalog Number: 502119



#### **General Information**

## Gene Name Synonym

Calmitine; Calsequestrin, skeletal muscle isoform

#### **Protein Construction**

A DNA sequence encoding the mature form of human CASQ1 (P31415) (Gln35-Asp396) was expressed with a N-terminal Met.

#### **Organism**

Human

#### **Expression Host**

E. coli

# **QC Testing**

#### **Purity**

> 90 % as determined by SDS-PAGE

#### **Endotoxin**

Please contact us for more information.

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70  $^{\circ}\text{C}$ 

## **Predicted N terminal**

Met

#### **Molecular Mass**

The recombinant human CASQ1 consists of 363 amino acids and predicts a molecular mass of 41.8

KDa. It migrates as an approximately 52 KDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile 50mM Tris, 10% glycerol, pH 7.5.

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

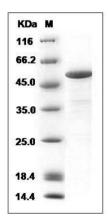
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

#### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

#### **SDS-PAGE**



Human Calsequestrin-1 / CASQ1 Protein SDS-PAGE