# Recombinant Cystathionine Beta Synthase (CbS) Instruction Manual

## SIPJ791Mu01

#### Mus musculus (Mouse)

**Source** Prokaryotic expression

**Host** E.coli

Endotoxin Level <1.0EU per 1µg (determined by the LAL method)

Subcellular Location Nucleus, Cytoplasm

Predicted Molecular Mass 37.6kDa

Accurate Molecular Mass 38kDa(Analysis of differences refer to the manual)

**Residues & Tags** Gly253~Thr561 with N-terminal His Tag

**Buffer Formulation** PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

**Traits** Freeze-dried powder

Purity > 95% Isoelectric Point 5.1

**Applications** Positive Control; Immunogen; SDS-PAGE; WB.

#### **SEQUENCE**

GTGGTITGIARKLKEKCPGCKIIGVDPEGSILAEPEELNQTEQTAYEVEGIGYDFIPTVLDRAVVDKWFKSNDEDSFAFARMLIAQEGL LCGGSSGSAMAVAVKAARELQEGQRCVVILPDSVRNYMSKFLSDKWMLQKGFMKEELSVKRPWWWRLRVQELSLSAPLTVLPTVTCEDT IAILREKGFDQAPVVNESGAILGMVTLGNMLSSLLAGKVRPSDEVCKVLYKQFKPIHLTDTLGTLSHILEMDHFALVVHEQIQSRDQAW SGVVGGPTDCSNGMSSKQQMVFGVVTAIDLLNFVAAREQTQT

#### USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

#### **STORAGE**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

#### **STABILITY**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

### **Image**

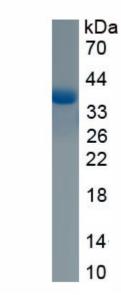


Figure. SDS-PAGE

#### [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.