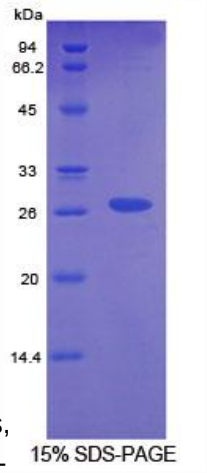
**RPB538Mu01 50μg**
**Recombinant Cystathionine Gamma Lyase (CSE)**
**Organism Species: Mus musculus (Mouse)**
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## [ PROPERTIES ]



15% SDS-PAGE

**Residues:** Phe14~Val224

**Tags:** Two N-terminal Tags, His-tag and T7-tag

**Accession:** Q8VCN5

**Host:** *E. coli*

**Subcellular Location:** Cytoplasm.

**Purity:** >95%

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

**Formulation:** Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

**Predicted isoelectric point:** 8.2

**Predicted Molecular Mass:** 26.5kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)

## [ USAGE ]

Reconstitute in sterile dd$H_2O$.

## [ STORAGE AND STABILITY ]

**Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8$^{o}$C for one month.

Aliquot and store at -80$^{o}$C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37$^{o}$C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The sequence of the target protein is listed below.

FQHFATQ AIHVGQEPEQ WNSRAVVLPI SLATTFKQDF PGQSSGFEYS RSGNPTRNCL EKAVAALDGA KHSLAFASGL AATITITHLL KAGDEIICMD EVYGGTNRYF RRVASEFGLK ISFVDCSKTK LLEAAITPQT KLVWIETPTN PTLKLADIGA CAQIVHKRGD IILVVDNTFM SAYFQRPLAL GADICMCSAT KYMNGHSDVV MGLV

## [ REFERENCES ]

1. Ishii I., *et al.* (2004) Biochem. J. 381:113-123.

2. Yang G., *et al.* (2008) Science 322:587-590.

3. Mustafa A.K., *et al.* (2009) Sci. Signal. 2:RA72-RA72.

4. Sen N., *et al.* (2012) Mol. Cell 45:13-24.