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**YB91197Mu  
01**

**Cartilage Oligomeric Matrix Protein (COMP)**

**Organism: Mus musculus (Mouse)**

***Instruction manual***

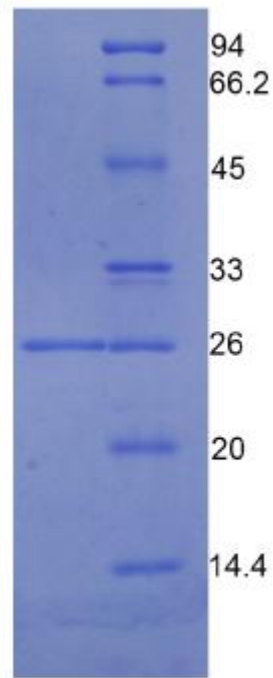
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5th Edition (Revised in January, 2013)

**[ DESCRIPTION ]**

**Protein Names:** Cartilage Oligomeric Matrix Protein



15% SDS-PAGE

**Mouse COMP kDa**

**Synonyms:** COMP

**Species:** Mouse

**Size:** 100µg

**Source:** *Escherichia coli* -derived



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**Subcellular Location:** Secreted, extracellular space, extracellular matrix.

**[ PROPERTIES ]**

**Residues:** Gln554~Gln753 (Accession # Q9R0G6), with N-terminal His-Tag.

**Grade & Purity:** >95%, 26kDa as determined by SDS-PAGE reducing conditions.

**Formulation:** Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose.

**Endotoxin Level:** <1.0 EU per 1 $\mu$ g (determined by the LAL method).

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted Molecular Mass:** 24.5kDa

**Predicted isoelectric point:** 6.0



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### **[ PREPARATION ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.

### **[ STORAGE AND STABILITY ]**

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

Store at 2-8°C for one month.

Aliquot and store at -80°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°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 target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-QGMEIVQ    TMNSDPGLAV    GYTAFNGVDF    EGT FHVNTAT  
DDDYAGFIFG    YQDSSSFYVV    MWKQMEQTYW    QANPFRAVAE    PGIQLKAVKS  
STGPGEQLRN    ALWHTGDTAS    QVRLW KDPR    NVGWKDKTSY    RWFLQHRPQV  
GYIRVRFYEG PELVADSNVV LDTAMRGGRL GVFCFSQENI IWANLRYRCN DTIPEDYESH  
RLQ