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# Recombinant human CMBL protein

Catalog Number: ATGP1648

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-245aa

#### **UniProt No.**

096DG6

#### **NCBI Accession No.**

NP 620164.1

#### **Alternative Names**

Carboxymethylenebutenolidase homolog

## **PRODUCT SPECIFICATION**

#### **Molecular Weight**

30.6 kDa (269aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol,1mM EDTA

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

Carboxymethylenebutenolidase homolog, also known as CMBL, is a cysteine hydrolase of the dienelactone hydrolase family that is highly expressed in liver cytosol. CMBL is the human homolog of Pseudomonas dienelactone hydrolase, a protein that participates in the bacterial halocatechol degradation pathway. CMBL is inhibited by p-chloromercuribenzoate (PCMB) and is encoded by a gene that maps to human chromosome 5p15. 2. Recombinant human CMBL protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

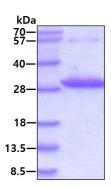
<MGSSHHHHHH SSGLVPRGSH MGSH>MANEAY PCPCDIGHRL EYGGLGREVQ VEHIKAYVTK SPVDAGKAVI VIQDIFGWQL PNTRYIADMI SGNGYTTIVP DFFVGQEPWD PSGDWSIFPE WLKTRNAQKI DREISAILKY LKQQCHAQKI GIVGFCWGGT AVHHLMMKYS EFRAGVSVYG IVKDSEDIYN LKNPTLFIFA ENDVVIPLKD VSLLTQKLKE HCKVEYQIKT FSGQTHGFVH RKREDCSPAD KPYIDEARRN LIEWLNKYM

### **General References**

Ravandi F., et al. (2009) Cancer. 115: 5746-5751 Ishizuka T., et al. (2010) J Biol Chem. 285: 11892-11902.

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

