Recombinant human CMBL protein

Catalog Number: ATGP1648

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-245aa

UniProt No.
Q96DG6

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

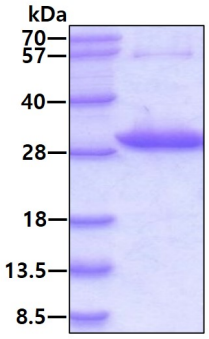
<MGSSHHHHHH SSGLVPRGSH MGSH>MANEAY PCPCDIGHRL EYGGLGREVQ VEHIKAYVTK SPVDAGKAVI VIQDIFGWQL PNTRYIADMI SGNGYTTIVP DFFVGQEPWD PSGDWSIFPE WLKTRNAQKI DREISAILKY LKQQCHAQKI GIVGFCWGGT AVHHLMMKYS EFRAGVSVYG IVKDSEDIYN LKNPTLFIFA ENDVVIPLKD VSLLTQKLKE HCKVEYQIKT FSGQTHGFVH RKREDCSPAD KPYIDEARRN LIEWLNKYM

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.