

Recombinant Human Carboxymethylenebutenolidase Homolog (Pseudomonas), His-tagged

Cat. No. CMBL-6960H **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant human CMBL protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques. |
| Species | Human |
| Source | <i>E. coli</i> |
| ProteinLength | 1-245aa |
| Description | CMBL is a cysteine hydrolase of the dienelactone hydrolase family that is highly expressed in liver cytosol. CMBL is the human homolog of <i>Pseudomonas</i> 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. |
| Form | Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM EDTA. |
| Molecular Mass | 30.6 kDa (269aa) confirmed by MALDI-TOF |
| AA Sequence | MGSSHHHHHH SGLVPRGSH MGSHPANEAY PCPCDIGHRL EYGGLGREVQ VEHIKAYVTK SPVDAGKAVI VIQDIFGWQL PNTRYIADMI SGNGYTTIVP DFFVGQEPWD PSGDWSIFPE WLKTRNAQKI DREISAILKY LKQQCHAQKI GIVGFCWGGT AVHHLMMKYS EFRAGVSVYG IVKDESDIYN LKNPTLFIFA |

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ENDVVIPLKD VSLLTQKLKE HCKVEYQIKT FSGQTHGFVH RKREDCSPAD
KPYIDEARRN LIEWLNKYM

Purity >95% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [CMBL carboxymethylenebutenolidase homolog \(Pseudomonas\) \[Homo sapiens \]](#)

Official Symbol CMBL

Synonyms CMBL; carboxymethylenebutenolidase homolog (Pseudomonas); carboxymethylenebutenolidase like (Pseudomonas); carboxymethylenebutenolidase homolog; FLJ23617; carboxymethylenebutenolidase-like (Pseudomonas); JS-1;

Gene ID [134147](#)

mRNA Refseq [NM_138809](#)

Protein Refseq [NP_620164](#)

MIM [613379](#)

UniProt ID [Q96DG6](#)

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| | |
|----------------------------|--|
| Chromosome Location | 5p15.2 |
| Pathway | Metabolic pathways, organism-specific biosystem; |
| Function | hydrolase activity; |

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