

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 SSGLVPRGSH MGSHPANEAY PCPCDIGHRL EYGGLGREVQ VEHIKAYVTK SPVDAGKAVI VIQDIFGWQL PNTRYIADMI SGNGYTTIVP DFFVGQEPWD PSGDWSIFPE WLKTRNAQKI DREISAILKY LKQQCHAQKI GIVGFCWGGT AVHHLMMKYS EFRAGVSVYG IVKDSEDIYN 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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