

## Recombinant Human CMBL Protein, GST-tagged

**Cat. No.** CMBL-1534H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CMBL full-length ORF ( NP_620164.1, 1 a.a. - 245 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | CMBL (EC 3.1.1.45) is a cysteine hydrolase of the diene lactone hydrolase family that is highly expressed in liver cytosol. CMBL preferentially cleaves cyclic esters, and it activates medoxomil-ester prodrugs in which the medoxomil moiety is linked to an oxygen atom (Ishizuka et al., 2010 [PubMed 20177059]).[supplied by OMIM, Apr 2010] |
| <b>Molecular Mass</b>   | 54.4 kDa                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MANEAYPCPCDIGHRLEYGGLGREVQVEHIKAYVTKSPVDAGKAVIVIQDIFGWQLP<br>NTRYIADMISGNGYTTIVPDFVVGQEPWDPSGDWSIFPEWLKTRNAQKIDREISAILK<br>YLKQQCHAQKIGIVGFCWGGTAVHHLMMKYSEFRAGVSVYGIVKDSEDIYNLKNPTL<br>FIFAENDVVIPLKDVSLLTQKLKEHCKVEYQIKTFSGQTHGFVHRKREDCSPADKPYI<br>DEARRNLIEWLNKYM                                                                             |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                 |

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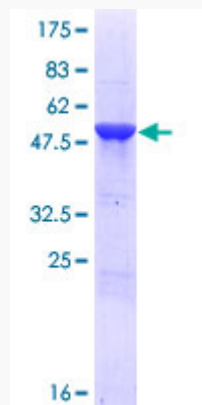
 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                          |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                   |
| <b>Gene Name</b>        | CMBL carboxymethylenebutenolidase homolog (Pseudomonas) [ Homo sapiens ]                                                                                                                                          |
| <b>Official Symbol</b>  | CMBL                                                                                                                                                                                                              |
| <b>Synonyms</b>         | CMBL; carboxymethylenebutenolidase homolog (Pseudomonas); carboxymethylenebutenolidase like (Pseudomonas); carboxymethylenebutenolidase homolog; FLJ23617; carboxymethylenebutenolidase-like (Pseudomonas); JS-1; |
| <b>Gene ID</b>          | 134147                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_138809                                                                                                                                                                                                         |
| <b>Protein Refseq</b>   | NP_620164                                                                                                                                                                                                         |
| <b>MIM</b>              | 613379                                                                                                                                                                                                            |
| <b>UniProt ID</b>       | Q96DG6                                                                                                                                                                                                            |

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**Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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