

## Product datasheet for TP301711L

### CMBL (NM\_138809) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human carboxymethylenebutenolidase homolog (Pseudomonas) (CMBL), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201711 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MANEAYPCPCDIGHRLEYGGLGREVQVEHIKAYVTKSPVDAGKAVIVIQDIFGWQLPNTRYIADMISGNG  
YTTIVPDFFFVGQEPWDPSPGDWSIFPEWLKTRNAQKIDREISAILKYLKQQCHAQKIGIVGFCWGGTAVHH  
LMMKYSEFRAGVSVYGIVKDESDIYNLKNPTLFIFAENDVVIPLKDVSLTQKLKEHCKVEYQIKTFSGQ  
THGFVHRKREDCSPADKPYIDEARRNLIEWLNKYM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	27.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_620164</a></u>
Locus ID:	134147



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UniProt ID: [Q96DG6](#)

RefSeq Size: 4047

Cytogenetics: 5p15.2

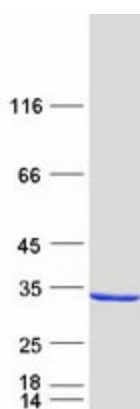
RefSeq ORF: 735

Synonyms: JS-1

**Summary:** 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]

**Protein Pathways:** Metabolic pathways

### Product images:



Coomassie blue staining of purified CMBL protein (Cat# [TP301711]). The protein was produced from HEK293T cells transfected with CMBL cDNA clone (Cat# [RC201711]) using MegaTran 2.0 (Cat# [TT210002]).