

## Recombinant Human CCBL1 Protein, GST-Tagged

**Cat. No.** CCBL1-0492H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CCBL1 full-length ORF (AAH33685, 1 a.a. - 374 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a cytosolic enzyme that is responsible for the metabolism of cysteine conjugates of certain halogenated alkenes and alkanes. This metabolism can form reactive metabolites leading to nephrotoxicity and neurotoxicity. Increased levels of this enzyme have been linked to schizophrenia. Multiple transcript variants that encode different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 66.88 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MAKQLQARRLDGIDYNPWVEFVKLASEHDVNVNLGQGFPDFPPPDFAVEAFQHAVS<br>GDFMLNQYTKTFVIIIIEPFFDCYEPMTMMAGGRPVFVSLKPGPIQNGELGSSSNWQL<br>DPMELAGKFTSRTKALVLNTPNPLGKVFSREELELVASLCQQHDVVCITDEVYQW<br>MVYDGHQHISIASLPGMWERTLTIGSAGKTFSATGWKVGWVLGPDHIMKHLRTVHQ<br>NSVFHCPTQSQAAVAESFEREQLLFRQPSSYFVQFPQAMQRCRDHMIRSLQSVGL<br>KPIIPQGSYFLITDISDFKRKMPDLPGAVDEPYDRRFVKWMIKNKGLVAIPVSIFYSP<br>HQQHFDHYIRFCFVKDEATLQAMDEKLRKWKVELWP                              |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay                                                                                                                                                                                                                                                                                                                                                                                                         |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage** Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** CCBL1 cysteine conjugate-beta lyase, cytoplasmic [ Homo sapiens ]

**Official Symbol** CCBL1

**Synonyms** CCBL1; cysteine conjugate-beta lyase, cytoplasmic; cysteine conjugate beta lyase; cytoplasmic (glutamine transaminase K, kynurenine aminotransferase); kynurenine--oxoglutarate transaminase 1; glutamine transaminase K; GTK; KATI; kynurenine aminotransferase; beta-lysase, kidney; kynurenine aminotransferase I; cysteine-S-conjugate beta-lyase; glutamine--phenylpyruvate transaminase; kynurenine--oxoglutarate transaminase I; glutamine-phenylpyruvate aminotransferase; cysteine conjugate-beta lyase; cytoplasmic (glutamine transaminase K, kynurenine aminotransferase); KAT1; FLJ95217; MGC29624;

**Gene ID** 883

**mRNA Refseq** NM\_001122671

**Protein Refseq** NP\_001116143

**MIM** 600547

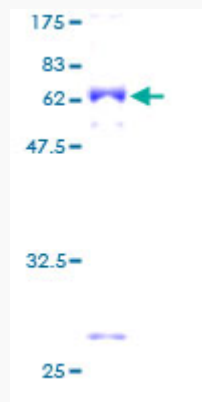
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UniProt ID Q16773

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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