

**CCBL1, 1-422aa, Human, His tag, E.coli**

**Cat.NO.: TP01442**

3th Edition

**Synonyms:**Kynurenine-oxoglutarate transaminase1 isoform a, GTK, KAT1, KATI

**Description:**CCBL1 also known as Kynurenine--oxoglutarate transaminase1 isoform a. CCBL1 catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA) and it metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites. CCBL1 catalyzes the beta-elimination of S-conjugates and Se-conjugates of L-(seleno) cysteine, resulting in the cleavage of the C-S or C-Se bond. Recombinant human CCBL1 was expressed in E.coli and purified by using conventional chromatography techniques

**Form:**Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

**Molecular Weight:**50.3kDa (445aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMKQLQARRLDGIDYNPWVEFVKLASEHDVVNLGQGFPDFPPDFAVEAF  
QHAVSGDFMLNQYTKTFGYPLTKILASFFGELLGQEIDPLRNVLVTVGGYGALFTAFQALVDEGDEVIIIPEFFDCY  
EPMTMMAGGRP VFVSLKPGPIQNGELGSSSNWQLDPMELAGKFTSRTKALVLNTPNNPLGKVFSREELELVASLC  
QQHDVVCITDEVYQWMVYDGHQHISIASLPGMWERTLTIGSAGKTF SATGWKVGWVLGPDHIMKHLRTVHQNSVF  
HCPTQSQA AVAESFEREQLLFRQPSSYFVQFPQAMQRCRDHMIRSLQSVGLKPIIPQGSYFLITDISDFKRKMPDLP  
GAVDEPYDRRFVKWMIKNKGLVAIPVSIFYSVPHQKHFDHYIRFCFVKDEATLQAMDEKLRKWKVEL

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.