OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51922PU-S Human CCBL1 (1-422, His-tag) - Purified

Alternate names: Cysteine-S-conjugate beta-lyase, GTK, Glutamine transaminase K, Glutamine-phenylpyruvate transaminase, KATI, Kynurenine aminotransferase I, Kynurenine-oxoglutarate transaminase 1

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by bradford assay)

Background: CCBL1 also known as Kynurenine--oxoglutrate 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

Uniprot ID: Q16773

NCBI: NP_004050

GeneID: 883

Species: Human

Source: E. coli

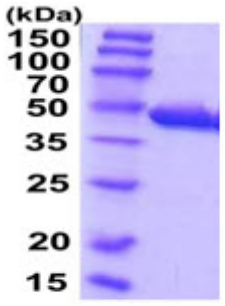
Format: **State:** Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.

Description: **AA Sequence:**
MGSSHHHHHH SSGLVPRGSH MGSMAKQLQA RRLDGIDYNP WVEFVKLASE HDVVNLGQGF
PDFPPPDFAV EAFQHAVSGD FMLNQYTKTF GYPPLTKILA SFFGELLGQE IDPLRNVLVT
VGGYGALFTA FQALVDEGDE VIIIEPFFDC YEPMTMMAGG RPVFVSLKPG PIQNGELGSS
SNWQLDPMEL AGKFTSRTKA LVLNTPNNPL GKVFSREELE LVASLCQQHD VVCITDEVYQ
WMVYDGHQHI SIASLPGMWE RTLTIGSAGK TFSATGWKVG WVLGPDHIMK HLRTVHQNSV
FHCPTQSQAA VAESFEREQL LFRQPSSYFV QFPQAMQRCR DHMIRSLQSV GLKPIIPQGS
YFLITDISDF KRKMPDLPGA VDEPYDRRFV KWMIKNKGLV AIPVSIFYSV PHQKHFDHYI
RFCFVKDEAT LQAMDEKLRK WKVEL
Molecular weight: 50.3 kDa (445aa)

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Han Q., et al.(2009) J. Med. Chem. 52:2786-2793. Rossi F., et al. (2004) J. Biol. Chem. 279:50214-50220.

Pictures:



15% SDS-PAGE (3ug)