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32-6691: CCBL1 Human

Alternative Name :	Cysteine Conjugate-Beta Lyase, Cytoplasmic, Glutamine Transaminase K, Cysteine Conjugate-Beta Lyase; Cytoplasmic (Glutamine Transaminase K, Kyneurenine Aminotransferase), Kynurenine--Oxoglutarate Transaminase I, Glutamine--Phenylpyruvate Transaminase, Cysteine-S-Conjugate Beta-Lyase, Kynurenine Aminotransferase I, Kyneurenine Aminotransferase, KATI, GTK, Glutamine-Phenylpyruvate Aminotransferase, Kynurenine--Oxoglutarate Transaminase 1, Beta-Lysase, Kidney, EC 4.4.1.13, EC 2.6.1.64, EC 2.6.1.7, KAT1, Kynurenine--oxoglutarate transaminase 1.

Description

Source: Escherichia Coli.
Sterile Filtered colorless solution.
Cysteine Conjugate-Beta Lyase Cytoplasmic also known as CCBL1 is a member of the class-I pyridoxal-phosphate-dependent aminotransferase family. CCBL1 catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA) it also metabolizes the cysteine conjugates of certain halogenated alkenes and alkanes to form reactive metabolites. Furthermore, 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.
CCBL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 445 amino acids (1-422 a.a) and having a molecular mass of 50.3kDa. CCBL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CCBL1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMAKQLQA RRLDGIDYNP WVEFVKLASE HDVVNLGQGF PDFPPPDFAV EAFQHAVSGD FMLNQYTKTF GYPPLTKILA SFFGELLGQE IDPLRNVLVT VGGYGALFTA FQALVDEGDE VIIEPFFDC 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.

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