

Product datasheet for **SC336574**

CCBL1 (KYAT1) (NM_001287390) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCBL1 (KYAT1) (NM_001287390) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCBL1
Synonyms:	CCBL1; GTK; KAT1; KATI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336574 representing NM_001287390.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTTCCAGGACTGCAGCAGCCATCTCTGTGCACCTGGTGGGGCCCTTCAGGGAAGGAAGCTGGAGCC
CCACTCACTTGGTTCTTGACCAGACTCAGGTGGCTGAGAAGAATGTTGGATCCCCAGCTCCACGGCCC
ACCAGCCATCTGGGACTGGCAAACCCACAGGAACGGAAGGTTCCCTCAGGGACCACAAAGCCCATGTGAG
GTCCTGCTGCTGAAGGATTCTGAGGACAGGAGGAGCCAAATTACCTATCCAGGGTCACCCAGCCAAG
CTCGCCATGGCAAACAGCTGCAGGCCCAAGGCTAGACGGGATCGACTACAACCCTGGGTGGAGTTT
GTGAAACTGGCCAGTGAAGCATGACGTGCTGAAGTTGGGCCAGGGCTTCCCGGATTTCCACCACCAGAC
TTTGCCGTGGAAGCCTTTCAGCACGCTGTCAGTGGAGACTTCATGCTTAACCACTACACCAAGACATTT
GGTTACCCACCACTGACGAAGATCCTGGCAAGTTTCTTTGGGGAGCTGCTGGGTGAGGATAGACCCG
CTCAGGAATGTGCTGGTACTGTTGGTGGCTATGGGGCCCTGTTACAGCCTTCCAGGCCCTGGTGGAC
GAAGGAGACGAGGTCATCATCATCGAACCTTTTTGACTGCTACGAGCCATGACAATGATGGCAGGG
GGTCGTCCTGTGTTGTGTCCTGAAGCCGGTCCCATCCAGAATGGAGAAGTGGGTTCCAGCAGCAAC
TGGCAGCTGGACCCCATGGAGCTGGCCGGCAAATTCACATCACGCACCAAGCCCTGGTCTCAACACC
CCCAACAACCCCTGGGCAAGGTGTTCTCCAGGGAAGAGCTGGAGCTGGTGGCCAGCCTTTGCCAGCAG
CATGACGTGGTGTGATCACTGATGAAGTCTACCAGTGGATGGTCTACGACGGGCACCAGCACATCAGC
ATTGCCAGCCTCCCTGGCATGTGGGAACGGACCCTGACCATCGGCAGCGCCGGCAAGACCTTCAGCGCC
ACTGGCTGGAAGTGGGCTGGGTCTGGGTCCAGATCACATCATGAAGCACCTGCGGACCGTGCACCAG
AACTCCGTCTTCCACTGCCCCACGCAGAGCCAGGCTGCAGTAGCCGAGAGCTTTGAACGGGAGCAGCTG
CTCTTCCGCCAACCCAGCAGCTACTTTGTGCAGTTCGCCAGGCCATGCAGCGCTGCCGTGACCACATG
ATACGTAGCCTACAGTCACTGGGCTGAAGCCCATCATCCCTCAGGGCAGCTACTTCTCATCACAGAC
ATCTCAGACTTCAAGAGGAAGATGCCTGACTTGCCTGGAGCTGTGGATGAGCCCTATGACAGACGTTT
GTCAAGTGGATGATCAAGAACAAGGGCTTGGTGGCCATCCCTGTCTCCATCTTCTATAGTGTCCACAT
CAGAAGCACTTTGACCACTATATCCGCTTCTGTTTTGTGAAGGATGAAGCCACGCTCCAGGCCATGGAC
GAGAAGCTGCGGAAGTGAAGGTGGAACTTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001287390

Insert Size: 1551 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001287390.1](#)

RefSeq Size: 2487 bp

RefSeq ORF: 1551 bp

Locus ID: 883

Cytogenetics: 9q34.11

MW: 57.7 kDa

Gene Summary: 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]

Transcript Variant: This variant (4) differs in the 5' UTR and CDS, and uses an alternate upstream translation start, compared to variant 1. The resulting protein (isoform c) has a longer N-terminus, compared to isoform a. Variants 4 and 12 both encode the same isoform (c). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.