

Product datasheet for RC217351

CCBL2 (KYAT3) (NM_001008662) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCBL2 (KYAT3) (NM_001008662) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCBL2
Synonyms:	CCBL2; KAT3; KATIII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC217351 representing NM_001008662 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTGAAATTCACAAATGCAAAACGGATTGAAGGACTTGATAGTAATGTGTGGATTGAATTTACCA
AATTGGCTGCAGACCTTCTGTTGTGAATCTTGGCCAAGGCTTCCAGATATATCCCCTCTACATATGT
AAAAGAAGAAATTCAAAGATTGCAGCAATCGATAGCCTGAATCAGTATACACGAGGCTTTGGCCATCCA
TCACTTGTGAAAGCTCTGTCCTATCTGTATGAAAAGCTTTATCAAAGCAAATTGATTCAAATAAGAAA
TCCTTGTGACAGTAGGAGCATATGGATCTTTTTAACACCATTCAAGCATTAAATTGATGAGGGAGATGA
AGTCATACTAATAGTGCCTTTCTATGACTGCTATGAGCCCATGGTGAGAAATGGCTGGAGCAACACCTGTT
TTTATTTCCCCTGAGATCTAAACCTGTTTATGAAAAAGATGGTCTAGTTCTGACTGGACATTAGATCCCTC
AAGAACTGGAAAGTAAATTTAATTCAAAAACCAAGCTATTATACTAAATACTCCACATAACCCACTTGG
CAAGGTGTATAACAGAGAGGAAGTCAAGTAATTGCTGACCTTTGCATCAAATATGACACACTCTGCATC
AGCGATGAGGTTTATGAATGGCTTGTATATTCTGGAAATAAGCACTTAAAAATAGCTACTTTTCCAGGTA
TGTGGGAGAGAACAATAACAATAGGAAGTGCTGGAAAGACTTTTCAGTGTAAGTGGCTGGAAGCTTGGCTG
GTCCATTTACAGGAAGCCTTGGCTCAAGCTTTCTGGATTGACATCAAGCGCATGGATGACCCAGAATGTT
ACTTTAATTTCTTTGCCAAAAGAGTTAGAAGTAAAAAGAGATCGGATGGTACGTTTACTTGAAGTGTGG
CCTAAAACCCATAGTTCCTGATGGAGGATACTTCATCATCGCTGATGTGTCTTTGCTAGATCCAGACCTC
TCTGATATGAAGAATAATGAGCCTTATGACTATAAGTTTGTGAAATGGATGACTAAACATAAGAACTAT
CAGCCATCCCCGTTTCAGCATTCTGTAAGTCAAGACTAAATCACAGTTTGAAGAAGTTTGTGCGTTTTTG
CTTCATTAATAAAGACAGCACACTGGATGCTGCTGAAGAAATCATCAAGGCATGGAGTGTACAGAAGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001008662.2](#), [NP_001008662.1](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1263 bp

Locus ID: 56267

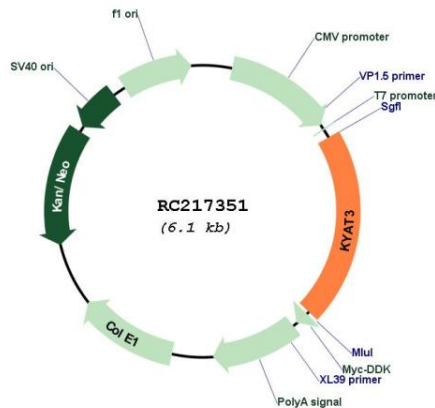
UniProt ID: [Q6YP21](#)

Cytogenetics: 1p22.2

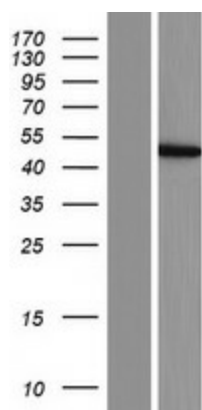
MW: 47.6 kDa

Gene Summary: This gene encodes an aminotransferase that transaminates kynurenine to form kynurenic acid, which is a metabolite of tryptophan. Multiple alternatively spliced transcript variants that encode different proteins have been described for this gene. This gene shares 5' exon structure with the RNA binding motif protein, X-linked-like 1 locus on chromosome 1, but the coding sequences are non-overlapping. [provided by RefSeq, Mar 2017]

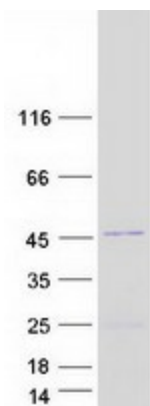
Product images:



Circular map for RC217351



Western blot validation of overexpression lysate (Cat# [LY423345]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217351 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KYAT3 protein (Cat# [TP317351]). The protein was produced from HEK293T cells transfected with KYAT3 cDNA clone (Cat# RC217351) using MegaTran 2.0 (Cat# [TT210002]).