

Datasheet for ABIN7548660  
**CCBL2 Protein (AA 1-454) (His tag)**



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## Overview

Quantity:	1 mg
Target:	CCBL2
Protein Characteristics:	AA 1-454
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CCBL2 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant KYAT3 Protein expressed in mammalian cells.
Sequence:	MFLAQRSLCS LSGRAKFLKT ISSKILGFS TSAKMSLKFT NAKRIEGLDS NVWIEFTKLA ADPSVNLGQ GFPDISPTY VKEELSKIAA IDSLNQYTRG FGHPSLVKAL SYLYEKLYQK QIDSNKEILV TVGAYGSLFN TIQALIDEGD EVILIVPFYD CYEPMVRMAG ATPVFIPLRS KPVYGKRWSS SDWTLPQEL ESKFNSTKA IILNTPHNPL GKVYNREELQ VIADLCIKYD TLCISDEVYE WLVSNGKHL KIATFPGMWE RTITIGSAGK TFSVTGWKLG WSIGPNHLIK HLQTVQQNTI YTCATPLQEA LAQAFWIDIK RMDDPECYFN SLPKELEVKR DRMVRLLESV GLKPIVPDGG YFIIADVSLI DPDLSDMKNN EPYDYKFVKW MTKHKKLSAI PVSAFCNSET KSQFEKVFVR CFIKKDSTLD AAEIHKAWS VQKS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

CCBL2

### Alternative Name:

KYAT3 ([CCBL2 Products](#))

### Background:

Kynurenine--oxoglutarate transaminase 3 (EC 2.6.1.7) (Cysteine-S-conjugate beta-lyase 2) (EC 4.4.1.13) (Kynurenine aminotransferase 3) (Kynurenine aminotransferase III) (KATIII) (Kynurenine--glyoxylate transaminase) (EC 2.6.1.63) (Kynurenine--oxoglutarate transaminase III),FUNCTION: Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA), an intermediate in the tryptophan catabolic pathway which is also a broad spectrum antagonist of the three ionotropic excitatory amino acid receptors among others. May catalyze 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. Has transaminase activity towards L-kynurenine, tryptophan, phenylalanine, serine, cysteine, methionine, histidine, glutamine and asparagine with glyoxylate as an amino group acceptor (in vitro). Has lower activity with 2-oxoglutarate as amino group acceptor (in vitro).  
{ECO:0000250|UniProtKB:Q71R19}.

## Target Details

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Molecular Weight: 51.4 kDa

UniProt: [Q6YP21](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months