

Recombinant Human CCBL2 Protein (1-454 aa), His-SUMO-tagged

Cat. No. CCBL2-1041H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCBL2 Protein (1-454 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-454 aa
Description	Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). 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).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	67.4 kDa
AA Sequence	MFLAQRSLCSLSGRAKFLKTISSSKILGFSTSAKMSLKFTNAKRIEGLDSNVWIEFTKL AADPSVNVNLGQGFPDISPPTYVKEELSKIAAIDSLNQYTRGFGHPSLVKALSYLYEKL

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YQKQIDSNKEILVTVGAYGSLFNTIQALIDEGDEVILIVPFYDCYEPMVRMAGATPVFI
PLRSKPVYGKRWSSSDWTLDQPQELESKFNSKTKAIIINTPHNPLGKVYNREELQVIA
DLCIKYDTLCISDEVYEWLVYSGNKHLLKIATFPGMWERTITIGSAGKTFSVTGWKLG
WSIGPNHLIKHLQTVQQNTIYTCATPLQEALAQAFWIDIKRMDDEPECYFNSLPKELEV
KRDRMVRLLSVGLKPIVPDGGYFIADVSLDLPDLSDMKNNEPYDYKFVKWMTKHK
KLSAIPVSAFCNSETKSQFEKFVRFCFIKKDSTLDAAEEIIKAWSVQKS

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [CCBL2 cysteine conjugate-beta lyase 2 \[Homo sapiens \]](#)

Official Symbol [CCBL2](#)

Synonyms KAT3; KATIII; RP11-82K18.3; RP4-531M19.2;

Gene ID [56267](#)

mRNA Refseq [NM_001008662.2](#)

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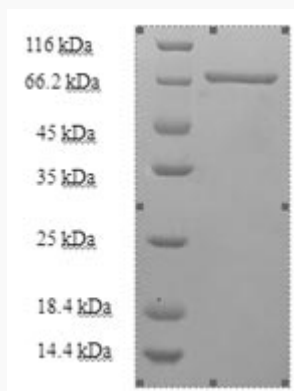
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Protein Refseq NP_001008662.1

MIM 610656

UniProt ID Q6YP21



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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