



Recombinant Human Kynurenine--oxoglutarate transaminase 3 (CCBL2)

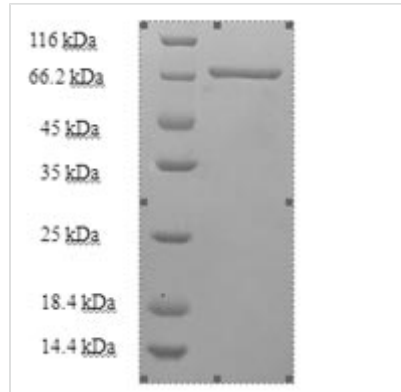
Product Code	CSB-EP740996HU
Relevance	Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). May catalyze the beta-elimination of S-conjugates and Se-conjugates of L-(seleno)cysteine, resulting in the cleavage of the C-S or C-Se bond . Has transaminase 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) .
Abbreviation	Recombinant Human CCBL protein
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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6YP21
Alias	Cysteine-S-conjugate beta-lyase 2 (EC:4.4.1.13)Kynurenine aminotransferase III ;KATIIIKynurenine--glyoxylate transaminase (EC:2.6.1.63)Kynurenine--oxoglutarate transaminase III
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MFLAQRSLCSLSGRAKFLKTISSSKILGFSTSAKMSLKFTNAKRIEGLDSNVWIE FTKLAADPSVVNLGQGFPDISPPTYVKEELSKIAAIDSLNQYTRGFGHPSLVKAL SYLYEKLYQKQIDSNKEILVTVGAYGSLFNTIQALIDEGDEVILIVPFYDCYEPMV RMAGATPVFIPLRSKPVYGGKRWSSSDWTLDPQELESKFNSKTKAAILNTPHNPL GKVYNREELQVIADLCIKYDTLCISDEVYEWLVYSGNKHLKIATFPGMWERTITI GSAGKTFSVTGWKLGSIGPNHLIKHLQTVQQNTIYTCATPLQEALAQAFWIDI KRMDDPECYFNSLPKELEVKRDRMVRLLSVGLKPIVPDGGYFIIADVSLDDPD LSDMKNNPEPYDYKFVKWMTKHKKLSAIPVSAFCNSETKSQFEKFVRFCKIKD STLDAEEIHKAVSVQKS
Research Area	Signal Transduction
Source	E.coli
Target Names	KYAT3
Expression Region	1-454aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged



Mol. Weight 67.4kDa

Protein Length Full Length

Image



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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