



# Recombinant Human Kynurenine--oxoglutarate transaminase 1 (KYAT1)

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| <b>Product Code</b>      | CSB-EP613699HU-B  |
| <b>Abbreviation</b>      | CCBL1   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.  |
| <b>Uniprot No.</b>       | Q16773  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MAKQLQARRLDGIDYNPWVEFVKLASEHDVVNLGQGFPDFPPDFAVEAFQH<br>AVSGDFMLNQYTKTFVIIIIEFFDCYEPMTMMAGGRPVFVSLKPGPIQNGELGS<br>SSNWQLDPMELAGKFTSRTKALVLNTPNPLGKVFSREELELVASLCQQHDV<br>VCITDEVYQWMVYDGHQHISIASLPGMWERTLTIGSAGKTFSATGWKVGWVL<br>GPDHIMKHLRTVHQNSVFHCPTQSQAAVAESFEREQLLFRQPSSYFVQFPQA<br>MQRCDHMIRSLQSVGLKPIIPQGSYFLITDISDFKRKMPDLPGAVDEPYDRRF<br>VKWMIKNKGLVAIPVSIFYSVPHQKHFDHYIRFCFVKDEATLQAMDEKLRKWK<br>VEL |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | KYAT1   |
| <b>Protein Names</b>     | Recommended name: Kynurenine--oxoglutarate transaminase 1 EC= 2.6.1.7<br>Alternative name(s): Cysteine-S-conjugate beta-lyase EC= 4.4.1.13<br>Glutamine transaminase K Short name= GTK Glutamine--phenylpyruvate transaminase   |
| <b>Expression Region</b> | 1-372   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Isoform 2  |
| <b>Target Details</b>    | 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.  |
| <b>Reconstitution</b>    | 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.

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