



# Recombinant Bovine Glutamine synthetase (GLUL)

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| <b>Product Code</b>      | CSB-BP009553BO   |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.  |
| <b>Uniprot No.</b>       | P15103   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Bos taurus (Bovine)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | ATSASSHLN KGIKQVYMAL PQGDKVQAMY IWIDGTGEGL RCKTRTL DSE<br>PKCIEELPEW NFDGSSTFQS EGSNSDMYLV PAAMFRDPFR KDPNKLVFCE<br>VFKYNRKPAE TNLRHTCKRI MDMVSNQRPW FGMEQEY TLM<br>GTDGHPFGWP SNGFPGPQGP YYCGVGADKA YGRDIVEAHY RACLYAGIKI<br>GGTNAEVMPA QWEFQIGPCE GIDMGDHLWV ARFILHRVCE DFGVIATFDP<br>KPIPGNWNGA GCHTNFSTKA MREENGLKYI EEAIEKLSKR HQYHIRAYDP<br>KGGLDNARRL TGFHETSNIN DFSAGVANRG ASIRIPRTVG QEKKGYFEDR<br>RPSANCDPFA VTEALIRTCL LNETGDEPFQ YKN |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | GLUL   |
| <b>Protein Names</b>     | Recommended name: Glutamine synthetase Short name= GS EC= 6.3.1.2<br>Alternative name(s): Glutamate decarboxylase EC= 4.1.1.15 Glutamate--<br>ammonia ligase   |
| <b>Expression Region</b> | 2-373  |
| <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 Mature Protein  |
| <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.                                      |
| <b>Shelf Life</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.   |