



# Recombinant Escherichia coli O127:H6 Glutamine-tRNA ligase (glnS)

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|--------------------------|--|
| <b>Product Code</b>      | CSB-BP488171EOB  |
| <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>       | B7UKW1   |
| <b>Product Type</b>      | Recombinant Protein  |
| <b>Immunogen Species</b> | Escherichia coli O127:H6 (strain E2348/69 / EPEC)  |
| <b>Purity</b>            | >85% (SDS-PAGE)  |
| <b>Sequence</b>          | MSEAEARPTNFIRQIIDEDLASGKHTTVHTRFPPEPNGYLHIGHAKSICLNFGIA<br>QDYKG<br>QCNLRFDDTNPVKEDIEYVDSIKNDVEWLGFWHSGNVRYSSDYFDQLHAYAIE<br>LINKGLA<br>YVDELTPEQIREYRGTLTQPGKNSPYRDRSVEENLALFEKMRTGGFEEGKACL<br>RAKIDMA<br>SPFIVMRDPVLYRIKFAEHHQTGNKWCYIPMYDFTHCISDALEGITHSLCTLEF<br>QDNRRLL<br>YDWVLDNITIPVHPRQYEF SRLNLEYTVMSKRKLNLLVTDKHVEGWDDPRMPT<br>ISGLRRR<br>GYTAASIREFCKRIGVTKQDNTIEMASLESCIREDLNENAPRAMAVIDPVKLVIE<br>NYQGE<br>GEMVTMPNHPNKPEMGSRQVPFSGEIWIDRADFREEANKQYKRLVLGKEVRL<br>RNAYVIKA<br>ERVEKDAEGNITTIFCTYDADTL SKDPADGRKVKGVIIHWVSAHALPVEIRLYD<br>RLFSVP<br>NPGAADDFLSVINPESLVIKQGFAEPSLKDAVAGKAFQFEREGYFCLDSRHST<br>AEKPVFN RTVGLRDTWAKVGE |
| <b>Source</b>            | Baculovirus  |
| <b>Target Names</b>      | glnS   |
| <b>Protein Names</b>     | Recommended name: Glutamine--tRNA ligase EC= 6.1.1.18 Alternative name(s): Glutaminyl-tRNA synthetase Short name= GlnRS  |
| <b>Expression Region</b> | 1-554  |
| <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 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.

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