



# Recombinant Escherichia coli Glutamate-1-semialdehyde 2,1-aminomutase (hemL)

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| <b>Product Code</b>      | CSB-BP484135ENM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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>       | B7LGL6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Immunogen Species</b> | Escherichia coli (strain 55989 / EAEC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sequence</b>          | MSKSENLISA ARELIPGGVN SPVRAFTGVG GTPLFIEKAD GAYLYDVDGK<br>AYIDYVGSWG PMVLGHNHPA IRNAVIEAAE RGLSFGAPTE MEVKMAQLVT<br>ELVPTMDMVR MVNSGTEATM SAIRLARGFT GRDKIIKFEG CYHGHADCLL<br>VKAGSGALT L GQPNSPGVPA DFAKHTLTCT YNDLASVRAA FEQYPQEIAC<br>IIVEPVAGNM NCVPLPEFL PGLRALCDEF GALLIIDEVM TGFRVALAGA<br>QDYYGVEPDL TCLGKIIGGG MPVGAFGGRR DVMDALAPT G PVYQAGT LSG<br>NPIAMAAGFA CLNEVAQPGV HETLDELTSR LAEGLLEAAE EAGIPLVVNH<br>VGGMFGIFFT DAESVTCYQD VMACDVERFK RFFHMMMLDEG VYLAPSAFEA<br>GFMSVAHSME DINNTIDAAR RVFAKL |
| <b>Source</b>            | Baculovirus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Target Names</b>      | hemL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Names</b>     | Recommended name: Glutamate-1-semialdehyde 2,1-aminomutase Short name= GSA EC= 5.4.3.8 Alternative name(s): Glutamate-1-semialdehyde aminotransferase Short name= GSA-AT                                                                                                                                                                                                                                                                                                                                        |
| <b>Expression Region</b> | 1-426                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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.                                                                                                     |
| <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.                                                                                                                                                                                                                              |