



# Recombinant Escherichia coli O139:H28 Glutamate--cysteine ligase (gshA)

<b>Product Code</b>	CSB-YP424060EJD
<b>Storage</b>	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.
<b>Uniprot No.</b>	A7ZQC1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O139:H28 (strain E24377A / ETEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MIPDVSQALA WLEKHPQALK GIQRGLERET LRVNADGTLA TTGHPEALGS ALTHKWITTD FAEALLEFIT PVDGDIEHML TFMRDHLHRYT ARNMGDERMW PLSMPCYIAE GQDIELAQYG TSNTGRFKTL YREGLKNRYG ALMQTISGVH YNFSLPMAFW QAKCGDISGA DAKEKISAGY FRVIRNYRF GWVIPYLFGA SPAICSSFLQ GKPTSLPF EK TCGMYYPY ATSLRLSDLG YTNKSQSNLG ITFNDLYEYV AGLKQAIKTP SEEYAKIGIE KDGKRLQINS NVLQIENELY APIRPKRVTR SGESPSDALL RGGIEYIEVR SLDINPFSP I GVDEQQVRF DLFMVWCALA DAPEMSSSEL ACTRVNWN RV ILEGRKPGLT LGIGCETAQF PLLQVGKDLF RDLKRVAQTL DSINGGEAYQ KVCDELVACF DNPDLTFSAR ILRSMIDTGI GGTGKAFAEA YRNLLREEPL EILREEDFVA EREASERRQQ EMEAADTEPF AVWLEKHA
<b>Source</b>	Yeast
<b>Target Names</b>	gshA
<b>Protein Names</b>	Recommended name: Glutamate--cysteine ligase EC= 6.3.2.2 Alternative name(s): Gamma-ECS Short name= GCS Gamma-glutamylcysteine synthetase
<b>Expression Region</b>	1-518
<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. 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.