



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

Product Code	CSB-EP424060EJD
Storage	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.
Uniprot No.	A7ZQC1
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O139:H28 (strain E24377A / ETEC)
Purity	>85% (SDS-PAGE)
Sequence	MIPDVSQALA WLEKHPQALK GIQRGLERET LRVNADGTLA TTGHPEALGS ALTHKWITTD FAEALLEFIT PVDGDIEHML TFMRDHLRYT 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 ACTRVNWNRV ILEGRKPGLT LGIGCETAQF PLLQVGKDLF RDLKRVAQTL DSINGGEAYQ KVCDELVACF DNPDLTFSAR ILRSMIDTGI GGTGKAFAEA YRNLLREEPL EILREEDFVA EREASERRQQ EMEAADTEPF AVWLEKHA
Source	E.coli
Target Names	gshA
Protein Names	Recommended name: Glutamate--cysteine ligase EC= 6.3.2.2 Alternative name(s): Gamma-ECS Short name= GCS Gamma-glutamylcysteine synthetase
Expression Region	1-518
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	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.
Shelf Life	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.