

Recombinant Escherichia coli Glutamate--cysteine ligase(gshA)

Catalog No: #AP71175

Package Size: #AP71175-1 20ug #AP71175-2 100ug #AP71175-3 1mg

Description

Product Name	Recombinant Escherichia coli Glutamate--cysteine ligase(gshA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-518aaSequence Info:Full Length
Other Names	Gamma-ECS ;GCSGamma-glutamylcysteine synthetase
Accession No.	P0A6W9
Calculated MW	74.3 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MIPDVSQALAWLEKHPQALKGIQRGLERETLRVNADGTLATTGHPEALGSALTHKWITTDFAEALLEFITPVDG DIEHMLTFMRDLHRYTARNMGDERMWPLSMPCYIAEGQDIELAQYGTSTNTRFKTLTYREGLKNRYGALMQTI SGVHYNFSLPMAFWQAKCGDISGADAKEKISAGYFRVIRNYYRFGWVIPYLFGASPAICSSFLQGKPTSLPFEK TECGMYYPYATSLRLSDLGYTNKSQSNLGITFNDLYEYVAGLKQAIKTPSEYAKIGIEKDGKRLQINSNVLQI ENELYAPIRPKRVTRSGESPSDALLRGGIEYIEVRSLDINPFSPIGVDEQQVRFLDLFMVWCALADAPEMSSE LACTRVNWNRVILEGRKPLTLGIGCETAQFPLPQVGKDLFRDLKRVAQTLDSINGGEAYQKVCDELVACFDN PDLTFSARILRSMIDTGIGGTGKAFAEAYRNLLREEPLEILREEDFVAEREASERRQQEMEAADTEPFAVWLEK HA
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

References

The nucleotide sequence of the gene for gamma-glutamylcysteine synthetase of Escherichia coli.Watanabe K., Yamano Y., Murata K., Kimura A.Nucleic Acids Res. 14:4393-4400(1986)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.