Recombinant E.coli GlsA1, His-tagged

Cat. No. glsA1-990E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant E.coli glsA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques (1-310aa).
Species	E.coli
Source	E.coli
Description	GlsA1 (glutaminase1) belongs to the large superfamily of serine-dependent beta-lactamases and penicillin-binding proteins. They are present in most bacteria and eukaryotes and catalyze the hydrolytic deamidation of l-glutamine to l-glutamate and free NH4+.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,10% glycerol, 100mM NaCl
Molecular Weight	35.0 kDa (330aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	1mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MLDANKLQQA VDQAYTQFHS LNGGQNADYI PFLANVPGQL AAVAIVTCDG NVYSAGDSDY RFALESISKV CTLALALEDV GPQAVQDKIG ADPTGLPFNS VIALELHGGK PLSPLVNAGAIATTSLINAE NVEQRWQRIL HIQQQLAGEQ VALSDEVNQS EQTTNFHNRA IAWLLYSAGY

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	LYCDAMEACD VYTRQCSTLL NTIELATLGA TLAAGGVNPL THKRVLQADN VPYILAEMMM EGLYGRSGDW AYRVGLPGKS GVGGGILAVV PGVMGIAAFS PPLDEDGNSV RGQKMVASVA KQLGYNVFKG
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	ybaS glutaminase [Escherichia coli str. K-12 substr. MG1655]
Synonyms	ybaS; glsA1; ECK0479; JW0474; glutaminase; putative glutaminase; NP_415018.1
Gene ID	946187
Protein Refseq	NP_415018

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA