

## GLSA1 E.Coli

**Description:** GLSA1 E.Coli Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 330 amino acids (1-310a.a.) and having a molecular mass of 35.0kDa. The GLSA1 is purified by proprietary chromatographic techniques.

**Catalog #:** ENPS-140

For research use only.

**Synonyms:** Glutaminase 1, ybaS.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MLDANKLQQA VDQAYTQFHS  
LNGGQNADYI PFLANVPGQL AAVAIVTCDG NVYSAGDSY RFALESISKV CTLALAEVDV  
GPQAVQDKIG ADPTGLPFNS VIALELHGGK PLSPLVNAGA IATTSLINAE NVEQRWQRIL  
HIQQQLAGEQ VALSDEVNQS EQTTNFHNRA IAWLLYSAGY LYCDAMEACD VYTRQCSTLL  
NTIELATLGA TL

**Purity:** Greater than 95.0% as determined by SDS-PAGE.

**Formulation:**

The GLSA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

**Stability:**

GLSA1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

GlsA1 is a member of the great superfamily of serine-dependent beta-lactamases and penicillin-binding proteins which exist almost in every bacteria and eukaryotes and catalyze the hydrolytic deamidation of L-glutamine to L-glutamate and free NH<sub>4</sub><sup>+</sup>.

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