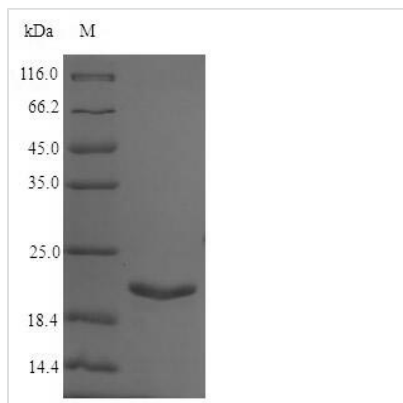




Recombinant Salmonella typhi Universal stress protein A (uspA)

Product Code	CSB-EP820596SWW
Relevance	Required for resistance to DNA-damaging agents.
Abbreviation	uspA
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.	Q8Z268
Product Type	Recombinant Protein
Immunogen Species	Salmonella typhi
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AYKHILIAVDLSPESKVLVEKAVSMARPYNKISLIHVDVNYSDLYTGLIDVNLGD MQKRISKETHHALTELSTNAGYPITETLSGSGDLGQVLVDIAKKYDMDLVVCGH HQDFWSKLMSSARQLINTVHVDMLIVPLRDEEE
Lead Time	3-7 business days
Research Area	Microbiology
Source	E.coli
Gene Names	uspA
Protein Names	Recommended name: Universal stress protein A
Expression Region	2-144aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	19.9kDa
Protein Description	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The first step in producing the recombinant *Salmonella typhi* uspA protein is to construct a plasmid that encodes the *Salmonella typhi* uspA protein (2-144aa). The next is to transform this plasmid into *e.coli* cells, select positive *e.coli* cells, from which positive cells can be screened and cultured to express the protein. A N-terminal 6xHis tag is fused to the protein. The recombinant *Salmonella typhi* uspA protein is purified through affinity purification from the cell lysate. Its purity is greater than 90%, determined by the SDS-PAGE analysis.

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.