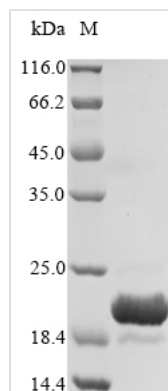




Recombinant Escherichia coli Universal stress protein D (uspD)

Product Code	CSB-EP364467ENV
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.	P0AAB8
Storage Buffer	Tris-based buffer?50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MAYKHIGVAISGNEEDALLVNKALELARHND AHLTLIHIDDGLSELYPGIYFPAT EDILQLLKNKSDNKLYKLTKNIQWPKTKLRIERGEMPETLLEIMQKEQC DLLVC GHHHSFINRLMPAYRGMINKMSADLLIVPFIDK
Lead Time	3-7 business days
Research Area	Others
Source	E.coli
Gene Names	uspD
Protein Names	Recommended name: Universal stress protein D
Expression Region	1-142aa
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	20.4 kDa
Protein Description	Full Length

Image



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



Description

Constructing a plasmid encoding the Escherichia coli (strain K12) uspD protein (1-142aa) is the initial step in the general approach to express the recombinant Escherichia coli (strain K12) uspD protein. The plasmid is then transformed into e.coli cells. Positive e.coli cells are selected and cultured, protein expression is induced, and cells are lysed. The protein is fused with a N-terminal 6xHis tag. The resulting recombinant Escherichia coli (strain K12) uspD protein is then purified through affinity purification, and SDS-PAGE analysis is carried out to verify the presence and assess the purity of the protein. Its purity exceeds 85%.