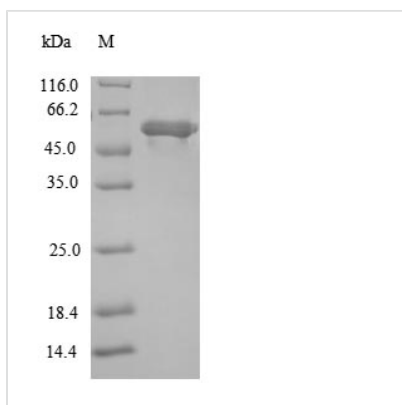




# Recombinant Escherichia coli Lipoate-protein ligase A (IplA)

<b>Product Code</b>	CSB-EP510777ENU
<b>Relevance</b>	Catalyzes both the ATP-dependent activation of exogenously supplied lipoate to lipoyl-AMP and the transfer of the activated lipoyl onto the lipoyl domains of lipoate-dependent enzymes.
<b>Abbreviation</b>	Recombinant E.coli IplA protein
<b>Storage</b>	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.
<b>Uniprot No.</b>	C4ZT68
<b>Alias</b>	Lipoate--protein ligase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli (strain K12 / MC4100 / BW2952)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MSTLRLLISDSYDPWFNLAVEECIFRQMPATQRVLFLLWRNADTVVIGRAQNPW KECNTRRMEEDNVRLARRSSGGGAVFHDLGNTCFTFMAGKPEYDKTISTSIVL NALNALGVSAEASGRNDLVVKTVEGDRKVS GSAYRETKDRGFHHGTLNAD LSRLANYLNPDKKKLAAKGITSVRSRVTNLTELLPGITHEQVCEAITEAFFAHYG ERVEAEIISPKNKTPDLNFAETFARQSSWEWNFGQAPAFSHLLDERFTWGGV ELHFDVEKGHITRAQVFTDSLNPAPLEALAGRLQGCLYRADMLQQECEALLVD FPEQEKELRELSAWMAGAVR
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	IplA
<b>Protein Names</b>	Recommended name: Lipoate-protein ligase A EC= 2.7.7.63 Alternative name(s): Lipoate--protein ligase
<b>Expression Region</b>	1-338aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	53.9kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	



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

### 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.

### Shelf Life

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.