

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

Catalog No: #AP76617

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Package Size: #AP76617-1 20ug #AP76617-2 100ug #AP76617-3 1mg

## Description

Product Name	Recombinant Escherichia coli Lipoate-protein ligase A(lplA)
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-338aaSequence Info:Full Length
Other Names	Lipoate--protein ligase
Accession No.	C4ZT68
Uniprot	C4ZT68
Calculated MW	53.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MSTLRLLISDSYDPWFNLAVEECIFRQMPATQQRVLFLLWRNADTVVIGRAQNPWKECNTRRMEEDNVRLARRS SGGGAVFHDLGNTCFTFMAGKPEYDKTISTISIVLNALNALGVSAEASGRNDLVVKTVEGDRKVSGSAYRETKD RGFHHGTLNADLSRLANYLNPDKKLAAGKITSVRSRVNTLELLPGITHEQVCEAITEAFFAHYGERVEAEII SPNKTPDLNFAETFARQSSWEWNFGQAPAFSHLLDERFTWGGVELHFDVEKGHITRAQVFTDSLNPAPLEA LAGRLQGCLYRADMLQCEALLVDFPEQEKEKRELSAWMAGAVR
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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.

## References

"Genomic sequencing reveals regulatory mutations and recombinational events in the widely used MC4100 lineage of Escherichia coli K-12."  
Ferenci T., Zhou Z., Betteridge T., Ren Y., Liu Y., Feng L., Reeves P.R., Wang L.J. *Bacteriol.* 191:4025-4029(2009)Research Topic:Others

Note: This product is for in vitro research use only