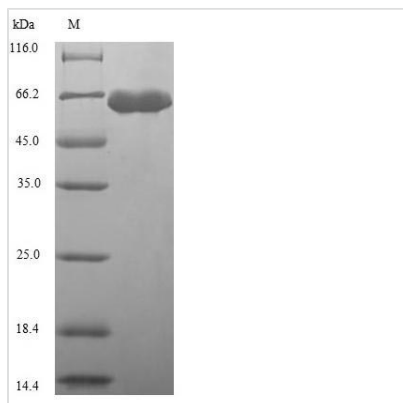




Recombinant Arabidopsis thaliana Acetolactate synthase, chloroplastic (ALS), partial

Product Code	CSB-YP321540DOA
Relevance	Catalyzes the formation of acetolactate from pyruvate, the first step in valine and isoleucine biosynthesis.
Abbreviation	Recombinant Mouse-ear cress ALS protein, partial
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.	P17597
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	KGADILVEALERQGVETVFAYPPGGASMEIHQALTRSSSIRNVLP RHEQGGVFA AEGYARSSGKPGICIATSGPGATNLVSGGLADALLDSVPLVAITGQVPRRMIGTD AFQETPIVEVTRSITKHNYLVMDVEDIPRIIEEAFFLATSGRPGPVLVDVPKDIQQ QLAIPNWEQAMRLPGYMSRMPKPPEDSHLEQIVRLISESKKPVLYVGGGCLNS SDELGRFVELTGIPVASTLMGLGSPCDELHMLGMHGT VYANYAVEHSDL LLAFGVRFD DRVTGKLEAFASRAKIVHIDIDSAEIGKNKTPHVSVC GDVKLALQ GMNKVLENRAEELKLD FGVWRNELNVQKQKFPLSFKTFGEAIPPQYAIKVLDE LTDGKAIISTGVGQHQM WAAQFYNYKKPRQWLSSGGLGAMGFGLPAAIGASV ANPDAIVVDIDGDGSFIMNVQELATIRVENLPVKVLLLNNQH LGMVMQWEDRF YKANRAHTFLGDPAQEDEIFPNMLLFAAACGIPAARVTKKADLREAIQTMLDTP GPYLLDVICPHQEHVLP MIPSGGTFNDVITEGDGRIKY
Research Area	others
Source	Yeast
Target Names	ALS
Protein Names	Acetohydroxy-acid synthase Protein CHLORSULFURON RESISTANT 1
Expression Region	98-670aa
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	64.4 kDa
Protein Length	Partial
Image	



(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.