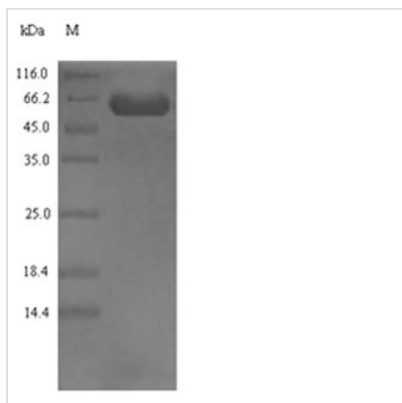




Recombinant Arabidopsis thaliana Geranylgeranyl diphosphate reductase, chloroplastic (CHLP)

Product Code	CSB-EP874935DOA
Relevance	Catalyzes the reduction of geranylgeranyl diphosphate to phytol diphosphate, providing phytol for both tocopherol and chlorophyll synthesis.
Abbreviation	Recombinant Mouse-ear cress CHLP protein
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.	Q9CA67
Alias	Geranylgeranyl reductase
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AARATPKLSNRKLRVAVIGGGPAGGAAAETLAQGGIETILIERKMDNCKPCGG AIPLCMVGEFNLPLDIIDRRVTKMKMISPSNIAVDIGRTLKEHEYIGMVRREVLD AYLRERAEEKSGATVINGLFLKMDHPENWDSPYTLHYTEYDGKTGATGTKKTM EVDAVIGADGANSRVAKSIDAGDYDYAIAFQERIRIPDEKMTYYEDLAEMYVGD DVSPDFYGWVFPKCDHVAVGTVTHKGDIKKFQLATRNRAKDKILGGKIIRVE AHPIPEHPRPRRLSKRVALVGDAAGYVTKCSGEGIIYFAAKSGRMCAEAIVEGS QNGKKMIDEGDLRKYLEKWDKTYLPTYRVLDVLQKVFYRSNPAREAFVEMCN DEYVQKMTFDSYLYKRVAPGSPLEDIKLAVNTIGSLVRANALRREIEKLSV
Research Area	Others
Source	E.coli
Target Names	CHLP
Expression Region	44-467aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	63.1kDa
Protein Length	Full Length of Mature Protein
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.