



Recombinant Arabidopsis thaliana Glutamate-1-semialdehyde 2,1-aminomutase 1, chloroplastic (GSA1)

Product Code	CSB-EP331639DOA
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.	P42799
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	VS VDEKKKSFSL QKSEEFNAA KNLMPGGVNS PVRAFKSVGG QPVLIDSVKG SKMWDIDGNE YIDYVGSWGP AIIGHADDEV LAALAETMKK GTSFGAPCLL ENVLAEMVIS AVPSIEMVRF VNSGTEACMG VLRLARAFTN KEKFIKFEGC YHGHANAFLV KAGSGVATLG LPDSPGVPKA ATSDTLTAPY NDLEAVEKLF AAHKGEISAV ILEPVVGNNSG FIPPTPEFIN GLRQLTKDNG VLLIFDEVMT GFRLAYGGAQ EYFGITPDLT TLGKIIGGGL PVGAYGGRRD IMEMVAPAGP MYQAGTLSGN PLAMTAGIHT LKRLKQAGTY EYLDKITKEL TNGILEAGKK TGHPMCGGYI SGMFGFFFAE GPVYNFADSK KSDTEKFGRF FRGMLEEGVY FAPSQFEAGF TSLAHTPEDI QLTIAAAERV LSRI
Source	E.coli
Target Names	GSA1
Protein Names	Recommended name: Glutamate-1-semialdehyde 2,1-aminomutase 1, chloroplastic Short name= GSA 1 EC= 5.4.3.8 Alternative name(s): Glutamate-1-semialdehyde aminotransferase 1 Short name= GSA-AT 1
Expression Region	39-474
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
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.



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