



# Recombinant *Oryza sativa* subsp. japonica Glutamate-1-semialdehyde 2,1-aminomutase, chloroplastic (GSA)

<b>Product Code</b>	CSB-YP754518OFG
<b>Abbreviation</b>	GSA
<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>	Q6YZE2
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Oryza sativa</i> subsp. japonica (Rice)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	AAISVEKGEK AYTVEKSEEI FNAAKELMPG GVNSPVRAFK SVGGQPIVFD SVKGSRMWDV DGNEYIDYVG SWGPAIIGHA DDTVNAALIE TLKKGTSFGA PCVLENVLAE MVISAVPSIE MVRFVNSGTE ACMGALRLVR AFTGREKILK FEGCYHGHAD SFLVKAGSGV ATLGLPDSPG VPKGATSETL TAPYNDVEAV KKLFEENKGQ IAAVFLEPVV GNAGFIPPQP GFLNALRDLT KQDGALLVFD EVMTGFRLAY GGAQEYFGIT PDVSTLGKII GGGLPVGAYG GRKDIMEMVA PAGPMYQAGT LSGNPLAMTA GIHTLKRLE PGTYDYLDKI TGDLVRGVLD AGAKTGHMCG GGHIRGMFGF FFTAGPVHNF GDAKKSDTAK FGRFYRGMLE EGVYLAPSQF EAGFTSLAHT SQDIEKTVEA AAKVLRRI
<b>Source</b>	Yeast
<b>Target Names</b>	GSA
<b>Protein Names</b>	Recommended name: Glutamate-1-semialdehyde 2,1-aminomutase, chloroplastic Short name= GSA EC= 5.4.3.8 Alternative name(s): Glutamate-1-semialdehyde aminotransferase Short name= GSA-AT
<b>Expression Region</b>	41-478
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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

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