



# Recombinant Arabidopsis thaliana Glutamate decarboxylase 2 (GAD2)

<b>Product Code</b>	CSB-YP670359DOA
<b>Abbreviation</b>	GAD2
<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>	Q42472
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MVLTKTATND ESVCTMFGSR YVRTTLPKYE IGENSIPKDA AYQIIKDELM LDGNPRLNLA SFVTTWMEPE CDKLIMDSIN KNYVDMDEYP VTTELQNRCV NIIARLFNAP LEESETAVGV GTVGSSEAIM LAGLAFKRKW QNKRKAEGKP YDKPNIVTGA NVQVCWEKFA RYFEVELKEV NLSEGYVMD PDKAAEMVDE NTICVAAILG STLNGEFEDV KRLNDLLVKK NEETGWNTPI HVDAASGGFI APFIYPELEW DFRLPLVКСI NVSGHKYGLV YAGIGWVWR AAEDLPEELI FHINYLGADQ PTFTLNFSKG SSQIIAQYYQ LIRLGFEGYK NVMENCIENM VVLKEGIEKT ERFNIVSKDQ GVPVVAFSLK DHSFHNEFEI SEMLRRFWGI VPAYTMPADA QHITVLRVVI REDFSRTLAE RLVADISKVL HELDTLPSKI SKKMGIEGIA ENVKEKKMEK EILMEVIVGW RKFVKERKKM NGVC
<b>Source</b>	Yeast
<b>Target Names</b>	GAD2
<b>Protein Names</b>	Recommended name: Glutamate decarboxylase 2 Short name= GAD 2 EC= 4.1.1.15
<b>Expression Region</b>	1-494
<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 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.
<b>Shelf Life</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.