



Recombinant Arabidopsis thaliana Glutamate decarboxylase 5 (GAD5)

Product Code	CSB-EP888800DOA-B
Abbreviation	GAD5
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.	Q9LSH2
Product Type	Recombinant Protein
Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Purity	>85% (SDS-PAGE)
Sequence	MVLATNSDSD EHLHSTFASR YVRAVVPRFK MPDHCMPKDA AYQVINDELM LDGNPRLNLA SFVTTWMEPE CDKLIMDSVN KNYVDMDEYP VTTELQNRVCV NMIANLFHAP VGEDEAAIGC GTVGSSEAIM LAGLAFKRKW QHRRKAQGLP IDKPNIVTGA NVQVCWEKFA RYFEVELKEV KLSEDYYVMD PAKAVEMVDE NTICVAAILG STLTGEFEDV KQLNDLLAEK NAETGWETPI HVDAASGGFI APFLYPDLEW DFRLPWVKS I NVSGHKYGLV YAGVGWVVWR TKDDLPEELV FHINYLGADQ PTFTLNFSKG SSQIIAQYYQ FIRLGFEGYK NIMENCMDNA RRLREGIEMT GKFNIVSKDI GVPLVAFSLK DSSKHTVFEI AESLRKFGWI IPAYTMPADA QHIAVLRVVI REDFSRGLAD RLITHIIQVL KEIEGLPSRI AHLAAAAVS GDDEEVKVK AKMSLEDITK YWKRLVEHKR NIVC
Source	E.coli
Target Names	GAD5
Protein Names	Recommended name: Glutamate decarboxylase 5 Short name= GAD 5 EC= 4.1.1.15
Expression Region	1-494
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 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. 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.