



Recombinant Glutamate decarboxylase alpha (gadA)

Product Code	CSB-EP301724EGX
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P69909
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)
Purity	>85% (SDS-PAGE)
Sequence	MDQKLLTDFR SELLSRFGA KAISTIAESK RFPLHEMRDD VAFQIINDEL YLDGNARQNL ATFCQTDWDE NVHKLMDLSI NKNWIDKEEY PQSAAIDLRC VNMVADLWHA PAPKNGQAVG TNTIGSSEAC MLGGMAMKWR WRKRMEAAGK PTDKPNLVCV PVQICWHKFA RYWDVELREI PMRPGQLFMD PKRMIEACDE NTIGVVPTFG VTYTGNYEFP QPLHDALDKF QADTGIDIDM HIDAASGGFL APFVAPDIVW DFRLPRVKS I SASGHKFGLA PLGCGWVIWR DEEALPQELV FNVDYLGQQI GTFAINFSRP AGQVIAQYYE FLRLGREGYT KVQNASYQVA AYLADEIAKL GPYEFICTGR PDEGIPAVCF KLDGEDPGY TLYDLSELR LRGWQVPAFT LGGEATDIVV MRIMCRRGFE MDFAEILLED YKASLKYLSD HPKLQGIAQQ NSFKHT
Source	E.coli
Target Names	gadA
Protein Names	Recommended name: Glutamate decarboxylase alpha Short name= GAD-alpha EC= 4.1.1.15
Expression Region	1-466
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.