



# Recombinant Glutamate decarboxylase alpha (gadA)

<b>Product Code</b>	CSB-MP301724EGX
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P69909
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Escherichia coli O6:H1 (strain CFT073 / ATCC 700928 / UPEC)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDQKLLTDFR SELLSRFGA KAISTIAESK RFPLHEMRDD VAFQIINDEL YLDGNARQNL ATFCQTDWDE NVHKLMDLSI NKNWIDKEEY PQSAAIDLRC VNMVADLWHA PAPKNGQAVG TNTIGSSEAC MLGGMAMKWR WRKRMEAAGK PTDKPNLVCG PVQICWHKFA RYWDVELREI PMRPGQLFMD PKRMIEACDE NTIGVVPTFG VTYTGNYEFP QPLHDALDKF QADTGIDIDM HIDAASGGFL APFVAPDIVW DFRLPRVKSI SASGHKFGLA PLGCGWVIWR DEEALPQELV FNVDYLGQQI GTFAINFSRP AGQVIAQYYE FLRLGREGYT KVQNASYQVA AYLADEIAKL GPYEFICTGR PDEGIPAVCF KLDGEDPGY TLYDLSELR LRGWQVPAFT LGGEATDIVV MRIMCRRGFE MDFAEILLED YKASLKYLSD HPKLQGIAQQ NSFKHT
<b>Source</b>	Mammalian cell
<b>Target Names</b>	gadA
<b>Protein Names</b>	Recommended name: Glutamate decarboxylase alpha Short name= GAD-alpha EC= 4.1.1.15
<b>Expression Region</b>	1-466
<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.