

Glutamate Decarboxylase 1 Recombinant Protein | GAD1 recombinant protein

Recombinant Glutamate Decarboxylase 1, Brain (GAD1)

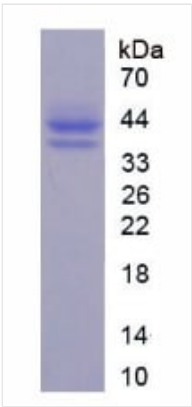
CATALOG # AAA144237	HOST Host: E ColiSource: Prokaryotic expression	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Glutamate Decarboxylase 1; Recombinant Glutamate Decarboxylase 1; Brain (GAD1); GAD1 recombinant protein

PRODUCT SPECIFICATIONS

Host	Host: E Coli Source: Prokaryotic expression
Purity/Purification	>95%
Form/Format	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Concentration	6.7 (varies by lot)
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow.MSPILGY WKIKGLVQPT RLLLEYLEEK YEEHLYERDE GDKWRNKKFE LGLEFPNLPY YIDGDVKLTQ SMAIIRYIAD KHNMLGGCPK ERAEISMLEG AVLDIRYGV SRIAYSKDFET LKVDFLSKLP EMLKMFEDRL CHKTYLNGDH VTHPDFMLYD ALDVVLYMDP MCLDAFPKLV CFKKRIEAI P QIDKYLKSSK YIAWPLQGWQ ATFGGGDHPP KSDGSTSGSG HHHHHHSAGL VPRGSTAIGM KETAAAKFER QHMDSPDLGT LEVLFQGPLG SEF-MASSTP SPATSSNAGA DPNTTNLRPT TYDTWCGVAH GCTRKLGLKI CGFLQRTNSL EEKSRLVSAF RERQSSKNLL SCENSQDQGAR FRRTETDFSN L
Sequence Length	502
Applicable Applications for GAD1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Predicted Molecular Mass	42.6kDa
Accurate Molecular Mass (KD)	40kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Expression System	Prokaryotic expression
Tag	two N-terminal Tags, His-tag and GST-tag
Organism Species	Mus musculus (Mouse)
Fragment	Met1-Leu97
Usage	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

MASSTPSPAT SSNAGADPNT TNLRPPTYDT WCGVAHGCTR KLGLKICGFL
QRTNSLEEKs RLVSFRERQ SSKNLLSCEN SDQGARFRRT ETDFSNL

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	15237949
NCBI GeneID	831599
NCBI Accession #	NP_197235.1
NCBI GenBank Nucleotide #	NM_121739.3
Molecular Weight	57,066 Da
NCBI Official Full Name	glutamate decarboxylase 1
NCBI Official Symbol	GAD
NCBI Official Synonym Symbols	GAD1; glutamate decarboxylase; GLUTAMATE DECARBOXYLASE; GLUTAMATE DECARBOXYLASE 1; MKP11.30; MKP11_30
NCBI Protein Information	glutamate decarboxylase 1
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	GAD1
UniProt Synonym Gene Names	GAD; GDH1; GAD 1
UniProt Entry Name	DCE1_ARATH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.