

Glutamate Decarboxylase 1, Brain (GAD1) Recombinant Protein | GAD1 recombinant protein

Recombinant Glutamate Decarboxylase 1, Brain (GAD1)

CATALOG # AAA134100	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
-------------------------------	-----------------------	---

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with two N-terminal Tags, His-tag and S-tag, its sequence is listed below. MHHHHHSSG LVPRGSGMKE TAAKFERQH MDSPDLGTDD DDKAMADIGS EF-MASSTPS PATSSNAGAD PNTTNLRPTT YDTWCGVAHG CTRKLGKIC GFLQRTNSLE EKSRLVSAFR ERQASKNLLS CENSDPGARF RRTEDFSNL
Sequence Length	593
Applicable Applications for GAD1 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Met1-Leu97 (Accession # P18088) with two N-terminal Tags, His-tag and S-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and 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 target protein. 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 and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8393406
NCBI GeneID	24379
NCBI Accession #	NP_058703.1
NCBI GenBank Nucleotide #	NM_017007.1
UniProt Accession #	P18088
Molecular Weight	16.3kDa

NCBI Official Full Name	glutamate decarboxylase 1
NCBI Official Synonym Full Names	glutamate decarboxylase 1
NCBI Official Symbol	Gad1
NCBI Official Synonym Symbols	Gad67
NCBI Protein Information	glutamate decarboxylase 1; GAD-67; glutamic acid decarboxylase 1; Glutamate decarboxylase 1 (brain); 67 kDa glutamic acid decarboxylase; glutamate decarboxylase 67 kDa isoform; glutamate decarboxylase 1 variant GAD67NT
UniProt Protein Name	Glutamate decarboxylase 1
UniProt Gene Name	Gad1
UniProt Synonym Gene Names	Gad67; GAD-67
UniProt Entry Name	DCE1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gad1-recombinant-protein-e-coli-ip-immunoprecipitation-elisa-wb-western-blot-sds-page/134100>