

Glutamate Decarboxylase 2, Acid (GAD2) Recombinant Protein | GAD2 recombinant protein

Recombinant Glutamate Decarboxylase 2, Acid (GAD2)

CATALOG # AAA148354	HOST E.coli	REACTIVITY Homo sapiens (Human)	APPLICATIONS Western Blot, SDS-Page
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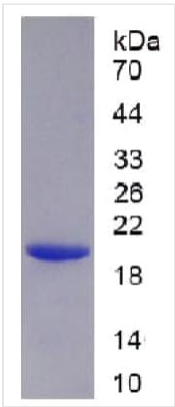
PRODUCT SYNONYMS

Glutamate Decarboxylase 2; Acid (GAD2); Recombinant Glutamate Decarboxylase 2; GAD65; Pancreatic Islets And Brain; 65kDa; 65 kDa glutamic acid decarboxylase; Glutamate decarboxylase 65 kDa isoform; GAD2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 400ug/mL (varies by lot)
Applicable Applications for GAD2 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Met188~Ser374
Tags	N-terminal His Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	9.1
Usage	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
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. 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. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

MVG LAADWLTSTA NTNMFYEIA PVFVLLEVVT LKKMREIIGW
PGGSGDGIFS PGGAINMYA MMARFKMFP EVKEKGMAAL PRIAFTSEH
SHFSLKKGAA ALGIGTDSVI LTKCDERGM IPSDLERRIL EAKQKGFVPF
LVSATAGTTV YGAFDPLLAV ADICKYKIW MHVDAAWGGG LLMS

SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GAD2 recombinant protein	Enzyme & Kinase; Endocrinology; Neuroscience; Autoimmunity
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	Q05329; Q9UD87
Molecular Weight	Predicted Molecular Mass: 21.6kDa Accurate Molecular Mass: 20kDa as determined by SDS-PAGE reducing conditions.
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	GAD2
UniProt Synonym Gene Names	GAD65; GAD-65

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.

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Online datasheet: <https://stage.aaabiotech.com/gad2-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/148354>