

Glutamate decarboxylase 2 Recombinant Protein | Gad2 recombinant protein

Recombinant Mouse Glutamate decarboxylase 2

CATALOG # AAA113894	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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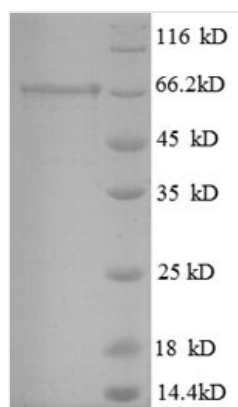
PRODUCT SYNONYMS

Glutamate decarboxylase 2; Recombinant Mouse Glutamate decarboxylase 2; 65 kDa glutamic acid decarboxylase; GAD-65; Glutamate decarboxylase 65 kDa isoform; Gad2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-585. Full-length.
Sequence	MASPGSGFWS FGSEDGSADP ENPGTARAWC QVAQKFTGGI GNKLCALLYG DSGKPAEGGG SVTSRAATGK VACTCDQKPC NCPKGDVNYA FLHATDLLPA CDGERPTLAF LQDVMNILLQ YVVKSFDRST KVIDFHYPNE LLQEYNWELA DQPQNLEEIL THCQTTLKYA IKTGHPRYFN QLSTGLDMVG LAADWLTSTA NTNMFYIEIA PVFVLLEYVT LKKMREIIGW PGGSGDGIFS PGGAISNMYA MLIARYKMFP EVKEKGMAAV PRLIAFTSEH SHFSLKKGAA ALGIGTDSVI LIKCDERGKM IPSDLERRIL EVKQKGFVPF LVSATAGTTV YGAFDPLLAV ADICKKYKIW MHVDAAWGGG LLMSRKHKWK LSGVERANSV TWNPHKMMGV PLQCSALLVR EEGLMQSCNQ MHASYLFQD KHYDLSYDTG DKALQCGRHV DVFKLWLMWR AKGTTGFEAH IDKCLELAEY LYTIKNREG YEMVFDGKPQ HTNVCFWFVP PSLRTLEDNE ERMSRLSKVA PVIKARMEY GTTMVSYQPL GDKVNFFRMV ISNPAATHQD IDFLIEIER LGQDL
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Gad2 recombinant protein	Catalyzes the production of GABA.
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References	Cloning and sequence analysis of a murine cDNA encoding glutamate decarboxylase (GAD65) .Lee D.S., Tian J., Phan T., Kaufman D.L.Biochim. Biophys. Acta 1216:157-160(1993) Mice lacking the 65 kDa isoform of glutamic acid decarboxylase (GAD65) maintain normal levels of GAD67 and GABA in their brains but are susceptible to seizures.Asada H., Kawamura Y., Maruyama K., Kume H., Ding R.G., Ji F.Y., Kanbara N., Kuzume H., Sanbo M., Yagi T., Obata K.Biochem. Biophys. Res. Commun. 229:891-895(1996) Localization and quantitation of expression of two glutamate decarboxylase genes in pancreatic beta-cells and other peripheral tissues of mouse and rat.Faulkner-Jones B.E., Cram D.S., Kun J., Harrison L.C.Endocrinology 133:2962-2972(1993)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124517709
NCBI GeneID	14417
NCBI Accession #	NP_032104.2
NCBI GenBank Nucleotide #	NM_008078.2
UniProt Accession #	P48320; O35519
Molecular Weight	69.2 kDa
NCBI Official Full Name	glutamate decarboxylase 2
NCBI Official Synonym Full Names	glutamic acid decarboxylase 2
NCBI Official Symbol	Gad2
NCBI Official Synonym Symbols	GAD65; Gad-2; GAD(65); 6330404F12Rik
UniProt Protein Name	Glutamate decarboxylase 2
UniProt Gene Name	Gad2
UniProt Synonym Gene Names	Gad65; GAD-65
UniProt Entry Name	DCE2_MOUSE

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://www.aaabiotech.com/gad2-recombinant-protein-e-coli/113894>