Recombinant Mouse Gad1 protein, His & GST-tagged

Cat. No. Gad1-8149M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gad1 aa. (Met1~Leu97 (Accession # P48318)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Met1~Leu97
Description	The protein encoded by this gene is an enzyme that catalyzes the production of gamma-aminobutyric acid from L-glutamic acid. Alternative splicing of this gene results in two products, the predominant 67 kDa isoform and a smaller 25 kDa isoform. The smaller isoform is not thought to retain catalytic activity.
Form	Freeze-dried powder
Molecular Mass	38 & 41kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.7.
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

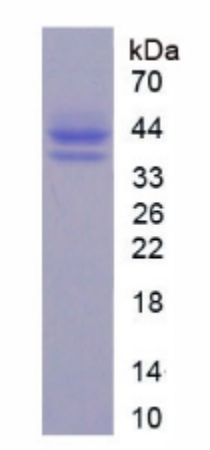
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Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200ug/mL
Storage Buffer	10mM PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Gad1 glutamate decarboxylase 1 [Mus musculus (house mouse)]
Official Symbol	Gad1
Synonyms	EP10; Gad-1; 67 kDa glutamic acid decarboxylase; glutamate decarboxylase 67 kDa isoform; glutamic acid decarboxylase 1; glutamate decarboxylase 1
Gene ID	14415
mRNA Refseq	NM_001312900.1

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Protein Refseq	NP_001299829.1
UniProt ID	P48318
SDS-PAGE	

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